

W.A. Hawkes-Robinson
("Hawke Robinson")
AS/CS, SANS GIAC GCIH, MCSE,
MCP+I, CNA, SCSAp1.

1432 W. Lawrence Dr., Spokane, WA, 99218
Phone/Text: (509) 481-5437
hawkenterprising@gmail.com
www.hawkenterprising.com

DESIRED POSITION

Architect, Information Security Specialist, Incident Handler, Penetration Tester, Red Team, and/or Auditor. Hire me for a very short while to help guide you critical technology business decisions, solve your greatest technology challenges, test your security infrastructure, clean up incidents, train your staff, and/or prepare your organization to be safer in the future. Very short-term contracts, days to weeks, part-time, contract or W2.

RATE

Remote: 120/hr + expenses.

On site: \$180/hr + expenses.

ACCOMPLISHMENTS

- IT & InfoSec consulting, audits, and systems administration for Fortune 100 & 500 listed companies networks with over 10,000 users.
- Over 25 years of physical and virtual security experience.
- As CTO managed annual IT budgets over \$10,000,000.
- Corporate Systems & Components Architect for multinational infrastructure supporting over 4,500 users in over 50 countries.
- Designed and personally built entire IT infrastructure and department staffing from scratch for multiple companies.
- Built and provided mission-critical infrastructure and services to county hospital, clinic, and related medical facilities.
- Directly supervised over 20 employees, supervised through hierarchy over 50 employees & contractors.
- Hired/contracted and managed multiple offshore teams in India and U.K.
- Personally built over 10,000 retail custom systems, supervised teams of technicians building more than 50,000 retail custom systems.
- Extensive experience with most technology platforms, audits, incident handling, pen-testing, policies, security training for employees, and other InfoSec aspects.
- Designed, staffed, trained, implemented, and transitioned multiple InfoSec corporate divisions from scratch, including "Red Teams".
- Use of extensive array of permissions control mechanisms including a range of technologies to achieve single sign on (SSO) and many different directory services and authentication mechanisms including: ADS, LDAP, YP, Intranetware & Netware, Kerberos, NT Domains, OAuth, Auth0, RADIUS, and many others.
- Certified in 2002 as GCIH (GIAC Certified Incident Handler) through SANS Institute, my research still published on their website ^①
- Google Chrome OS / Chromebook developers cited my security research for key technology decisions regarding VPNs.
- Rebuilt "bulletproof" 2600 IRC in 2002.
- Working with technology systems since 1979.
- Detailed technology skills list here: ^②

EMPLOYMENT SUMMARY

2017 – Jul – Kerberos/Auth Consultant, Robert Half Technology: Critigen, Omaha Muni.
2016 - Nov. to 2017 Jun. - Architect, Systems Administrator, Developer, Consultant -
Zombie Orpheus Entertainment Interactive Community Streaming Media Platform³
2002-16 - IT & InfoSec Consulting - Dev 2 Dev Portal LLC⁴
2004-16 - Consultant - Hawke Enterprising d.b.a.⁵
2004-16 – Founder & Facilitator - Spokane 2600⁶
2014-16 – Research Primary Investigator RPG Therapeutics LLC⁷
2006-16 – Founder & PI – RPG Research⁸
2011-16 - Founder – Spokane Music Therapy.com⁹
2008-16 - Founder - Inland Empire Tolkien Society¹⁰
2005-16 - Founder – TolkienMoot/MerpCon conventions¹¹
2005-16 - Founder, Editor, Publisher – Other Minds Magazine¹²
2015 – Contracted InfoSec Incident Handler – NBC Packaging USA¹³
2010-12 – Sys & Net Engineer – Interlink Advantage¹⁴
2008-12 - Founder & Host – Middle-earth Talk Show¹⁵
2008-12 - Founder – Middle-earth Radio¹⁶
2008 - Sales Engineer (Information Security) – TriGeo Networks Inc¹⁷
2007 – Consultant & Systems Administrator, Mac OS X & Server – Clemens Mechanical
2007 - Consultant, Security Auditor – Steelhead Specialty Minerals through Onforce¹⁸
2004-07 – Tech Advisor, Admin, Dev, & Webmaster – KYRS FM Radio¹⁹
2004-07 – Admin – NR Internet Radio Streaming²⁰
2006+ - Tech Talk Show Host – KYRS FM Radio & Online²¹
2005-06 – Developer, DBA – Infoco USA²²
2005+ - Admin, Dev, & Webmaster – Tolkien Society broadcasts²³
2003-05 - Consultant & Webmaster – Veridex^{24 25}
2000-05 - Admin, Developer, DBA – Colorificsigns Inc.²⁶
2003-04 - Consultant - Security, Systems, & Network – Axxess.net ISP²⁷
2002-04 - Admin, Developer, DBA - Platinum Financial²⁸
2002-04 - Technical Instructor – The Computer Schools²⁹
2002-04 - Pres, CIO/CTO – MaladNet Wireless ISP (acq by Axxess)³⁰
2002-04 – Backbone provider, SysAdmin – Oneida County Hospital³¹
2003 - Consultant – Hess Pumice³²
2003 - Guest Instructor (Opensource & InfoSec) – Davis Applied Tech³³
2002-03 – Internet Relay Chat (IRC) provider, rebuilt 2600.com's IRC.³⁴
2002-03 - Consultant – Hess Lumber³⁵
2002 – Consultant - Valley Insurance, Malad, ID
2002 - Admin, Developer, DBA – Creative Earth³⁶
2002 - Systems Auditor & Analyst – Devon Energy Corp³⁷
2000-02 - CTO – MightyWords Inc.³⁸ (acquired by Barnes & Noble)
2000 – Consultant, Webfusion Developer – Franklin Covey³⁹
2000 – Senior Principal – Technology Solutions Corporation (TSC)
2000 – Analyst/Architect – Internet Shopping Network⁴⁰ of www.hsn.com
2000 – Corporate Systems Architect and Analyst – Franklin Covey⁴¹
1999-00 – Director of Operations – Franklin Covey Online Learning - goo.gl/UIQTrU
1999 – SysAdmin, InfoSec – Franklin Covey Electronic Solutions
1999 – Unix Admin – Franklin Covey – www.franklincovey.com
1999 - Network, Systems, Websites and Security Admin & Dev. via ITI - goo.gl/qBP2EN

1998-99 – Consultant, SysAdmin, DBA - Utah Dept. Public Safety via ITI - goo.gl/qtD43f
 1998-99 – Consultant, SysAdmin, DBA – UT Corrections Dept. via ITI - goo.gl/uuO6Cn
 1998-99 – SysAdmin – State of Utah Dept. of Tech Service via ITI - dts.utah.gov
 1998 - Client Solutions Implementation & Admin & Java Dev – ITI - goo.gl/qBP2EN
 1998 - CIO & Lead Developer – PC Easy - goo.gl/xHsY0F
 1997 – SysAdmin – EG&G Chemical Weapons, Tooele, UT via Comspec goo.gl/2ZvRnx
 1997 – SysAdmin – Kennecott Mining, UT, via Comspec - www.kennecott.com
 1997 – SysAdmin – LDS Data Services, UT, via Comspec - tech.lds.org
 1997 – SysAdmin – Swire Coca Cola, UT, via Comspec - www.swirecc.com
 1997 - Network and Systems Administrator – Comspec Corporation - goo.gl/7V5ILU
 1997 – QA, Junior Developer, Java & Visual Basic – SoftDocs Inc. - www.softdocs.com
 1996-08 - Admin, Developer, DBA – Alpentech Inc. - www.alpentech.net
 1996-97 - Head Systems & Networks Tech & Developer – PC Easy - goo.gl/xHsY0F
 1996 - Netware, Wang, & WFWG Admin, UCC/Broadview Univ broadviewuniversity.edu
 1995-96 - Assistant Network Admin – Teltrust Inc. Directory Services - goo.gl/bKPIOM
 1992-95 – Bus. & Res. Sec. Mgr & SysAdmin – Villa Franche & Laurelwood Prop., UT.
 1988-90 - Security and computer systems support – Brittainy Apartments, Murray, UT.
 1979-94 – Independent and contracted software developer, Utah.
 1979, 1983-87 – Surveyor, Lumberjack, Construction - Lost Packer Mining Co., Idaho.

TECHNICAL EDUCATION

- 2002 - SANS GCIH - giac.org/certified-professional/hawke-robinson/103605 – Security & Incident Handling Certification from SANS Institute, my research report on virtual private networking technologies and Microsoft's PPTP VPN vulnerabilities, published online at the SANS/GIAC Institute at: <https://www.sans.org/security-resources/malwarefaq/pptp-vpn>
- 2003 – SCSAp1 – Sun Certified Systems Administrator (part 1).
- 1996-1998 - Associates Degree in Computer Science (GPA 4.0), Certified Careers Institute, SLC, UT.
- 1999 - MCSE - Microsoft Certified Systems Engineer
- 1998 - MCP+I – Microsoft Certified Professional + Internet
- 1998 - CNA - Certified Netware Administrator

ADVANCED TRAINING & RELATED EXPERIENCE RELATED TO THE FOLLOWING CERTIFICATIONS

- NCLE – Novell Certified Linux Engineer
- CNI – Certified Novell Instructor
- SCSA – Sun Certified Solaris Administrator
- SCJP – Sun Certified Programmer for Java 2

ADDITIONAL ADVANCED MISCELLANEOUS TECHNICAL TRAINING

- SilverStream development and administration 1.x, 2x, 3x
- BroadVision performance tuning, architecture, design, development and administration 2.x, 3.x, 4.x, & 5.x
- Java Programmer 1x & 2
- Jini
- ACS (Arsdigita Community System) 3x & 4x
- TCL
- Java
- XML

- Oracle 8i Application development
- Oracle 8i Installation, Configuration, and Administration
- Oracle 9 Application Development
- Oracle 9 Installation, Configuration, and Administration

OTHER EDUCATION/TRAINING

- 2004-Current – Eastern Washington University, B.A. Recreation Therapy, Music Therapy, Research Psychology, and Neuroscience (Current GPA 3.7).
- 2015 - Mental Health First Aid Certification.
- 2014 – HIV/AIDS Certification.
- 1999-2000 - Franklin Covey - Project Management (extends "What Matters Most" & "Seven Habits").
- 1994 & 2007 - Landmark Education Forum and Forum in Action Seminar Series.
- Utah Valley State College Environmental Technology Certificate 1994.
- 1991-1992 - SLCC Graphics Design & Photography.
- 1988-1989 - SLCC Automotive Technician Program.
- 1994 – 4x Certified ASE - Automotive Service Excellence in Computer & Electrical Systems
- 1989 – PT5S CMAT – Precision Tune Five Star Certified Master Auto Technician (specialties in automotive computers, engine performance & electrical systems)

MARTIAL ARTS

- 2004-2011, Kung Fu For Life, Spokane, WA.
- 2006, Goju Ryu Karate, Bruce McDavis, EWU, Cheney, WA.
- 2000-2002, Buk Sing Choy Lay Fut Kung Fu, Fremont, CA.
- 1984-1986, Chung Shing Kung fu, SLC, UT.
- 1974-1980, 2000-2002 Aikido, Bay Area, CA.
- 1974-1983, 1987-1989, Shaolin Kung Fu, Oakland, CA.

LANGUAGES TRAINING

- American Sign Language Summer 2006 and 2007 (Eastern Washington University), and ongoing as facilitator of www.SpokaneASL.com
- Chinese – 2008 Mandarin Chinese I (SFCC)
- Russian: 1986-1987 (school), 1994-1995 (private instructor).
- Finnish – 1994 (self instruction - tapes & books).
- Cantonese 1991-1993 (private instructors).
- Japanese: 1989-1991 (private instructor).
- Spanish: 1983-1986 (school).

PROFESSIONAL MEMBERSHIP

- 2600 Lifetime membership since 2002 – www.2600.com
- 2014-2016 - American Therapeutic Recreation Association – atra-online.com
- 2014-2016 – Washington State Therapeutic Recreation Assoc. - www.wstra.org
- 2016 – Pacific Northwest American Therapeutic Rec. Assoc. - www.pnwatra.org
- 2000-2004 - Information Systems Security Association (ISSA)
- 1998-2003 - IEEE – Institute of Electrical & Electronics Engineers
- 1998-2003 - PMI – Project Management International

REFERENCES

Excellent references provided upon request.

EMPLOYMENT DETAILS

November 2016 through June 2017

Architect, Chief Technology Officer, & Systems Administrator

Zombie Orpheus Entertainment – www.zombieorpheus.com

2822 Valencia St, Bellingham, WA 982263750

Supervisor: Ben Dobyns, President.

Working with CEO, using entirely open source and contracted custom-code, implemented enterprise-class platform, complex applications servers, combined together to build a robust and feature rich community interactive multimedia platform supporting many movie and video series partners, and their fan base. Primary focus was providing rich community infrastructure for on-demand streaming video services with hierarchical access control to content and services based on Patreon payment levels.

Technologies used:

Apache, Tomcat, Asimba, SAML, CAS, LDAP, SASL, Plone 5, MySQL, MariaDB, MongoDB, NodeBB, Discourse, Kaltura CE, Red5 Server, Gluu, Shibboleth, OAuth, OAuth, OAuth RP, Auth0, oxTrust, pas.plugins.Idap, Luma (LDAP Browser), CentOS 7.2, Ubuntu 14.04 LTS, Ubuntu 16.04 LTS, OpenSuse 13.2, Python, Ruby, PHP. Java, NodeBB and many authentication associated plugins, MediaWiki and authentication associated plugins, Gluu authentication server, Wordpress and many authentication associated plugins. Note, worked mostly as architect, systems administrator, and technology consultant, most of the custom coding was handled as needed through a number of task-specific coding contracts. In consulting with business staff, created scope documents, R&D with various technologies, until found the ideal match to the business needs. Company was going to spend over \$250,000 trying to custom build platform, but using an array of open source existing technologies, was able to implement for less than \$10,000. Platform Stage 1 launched June 6th, 2017 without any complications.

2002-2016

IT & Information Security Consulting, Systems Administration, and Internet services, California, Idaho, Oklahoma, & Utah.

Dev 2 Dev Portal LLC – www.dev2dev.com

1432 W Lawrence Dr.

Spokane, WA, 99218, USA

Phone: (509)481-5437 (old # Bay Area California:408-516-9887 Toll Free:800-887-0176)

For clients outside Washington state, various hosting, consulting, and administration services for a wide range of technologies, environments, and industries. Some clients are still under NDA and not listed, others listed throughout this document. Auditing, InfoSec “Red Team” and other security testing methods, information security audits, systems and network performance audits, eCommerce, Open Source products, Web servers, database servers, networking, firewalls, provide training, establish policies and procedures with documentation and training for technical staff, core infrastructure builds from ground up, and transitional migrations of small and enterprise size networks

and systems. Implement procedures and technology for compliance with government and corporate mandates.

Technologies, Methodologies, and Standards Used: Linux (Redhat Enterprise, CentOS, Fedora, Suse Enterprise, OpenSuse, Ubuntu, Gentoo), OpenBSD 3.x/4.x, Mac OSX, Solaris 7/8/9/10, OpenSolaris, Windows 3x/Wfwg/NT/2000/XP/CE/PPC, Web servers (Apache 1x & 2x, Tux), Community/portal servers (geeklog, phpnuke, postnuke), Content Management Servers (CMS) (Zope, Plone 2x/3x/4x/5x), various Application Servers, Redhat Interchange eCommerce, Database Servers (Oracle 8x/9x, MySQL, MariaDB, PostGreSQL), Java, PHP, Perl, C, Python, Netbeans / Forte, rsync, ntpd, sshd, vsftpd, snmpd, daemontools, bind / dns, smtp & pop3, qmail, postfix, qmailadmin, ezmlm/ezmlm-idx, vpopmail, vqadmin, Zope, Plone, Discourse, NodeBB, Gluu, Shiboloth, Single Sign On (SSO), Kaltura, spamassassin, qmail-scanner, rbls and many various uce/spam/backscatter reduction measures, Antivirus (ClamAV, Symantec, McAfee, AVG, qmail-scanner), Cisco DSL, T1 & 802.11a/b "wifi" enterprise equipment & software, Nagios & MRTG, Hughes Networks Satellite Internet business services (stationary). VoIP over "wifi". IRC Servers & Services (hybrid, hybserv, eggdrop, mirc, xchat, hexchaty), iptables & pf, Wells Fargo Merchant Services, Verisign merchant services, Pflow (Payflow Pro), Open Office, Nmap, nessus, snort, airsnort, kismet, netstumbler, ethereal, etherape, tripwire, rkhunter, denyhosts, iptables, ipchains, fail2ban, and scores of other InfoSec tools, Health Insurance Portability & Accountability Act (HIPAA) compliance audits and compliance implementation, Payment Card Industry (PCI) standards audits and compliance implementation, National Institute of Standards & Technology (NIST) audits and compliance implementation.

Additional lengthy detailed Skills and Technologies Used List:

<http://hawcenterprising.com/archives/hawkes-robinson-tech-resume-skills-inventory.pdf>

2016

Back Office Webmaster & Accessibility Advocate

Volunteer

SpoCon – www.spocon.org

Spokane, WA, USA

An annual science fiction and fantasy convention for the Spokane area. Provided hosting services, webmaster, and user training for back office website. Also "Accessibility Advocate" to help convention organizers include consideration for participants with various disabilities.

Technologies used: OpenSuse Linux 13.2, CentOS, Zope with Plone 4.3, Python, DHTML, CSS, HTML, SSH, postfix, dovecot, SMTP, POP3, IMAP.

2015 - September

Information Security Incident Handler

Contract

NBC Packaging USA – www.nbcpkgusa.com

1525 Alvarado St.

San Leandro, CA, 94577, USA

Phone: (510) 936 4811

Remote security audit, incident handling, recovery, systems & networks administration.

Technologies used: SSH, SSHD, TFTP, Ubiquiti Networks EdgeMAX EdgeSwitch, ToughSwitch, EdgeRouter, MacBook Pro, Etherape, Ubuntu Linux 14.04, Windows 10 Pro, Windows Server 2012 R2, Windows 7 Pro, Vmware.

2004-2016

IT & Information Security Independent Contractor

Hawke Enterprising d.b.a. - www.hawkenterprising.com

1432 W Lawrence Dr.

Spokane, WA, 99218, USA

For clients within Washington state, various hosting, consulting, and administration services for a wide range of technologies, environments, and industries. Some clients are still under NDA and not listed, others listed throughout this document.

Technologies used: see lengthy detailed Skill List:

<http://hawkenterprising.com/archives/hawkes-robinson-tech-resume-skills-inventory.pdf>

2004-2016

Webmaster, Facilitator, Founder

Volunteer

2600, Spokane Chapter – www.spokane2600.org

The Service Station Coffee House

9315 N. Nevada

Spokane, WA 99218, USA

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IRC hosting, web hosting, monthly meeting facilitation.

2014-2016

Washington State Department of Health Registered Recreation Therapist

#RE60526204

RPG Therapeutics LLC – www.rpgtherapeutics.com

1312 N Monroe Suite 114

Spokane, WA 99201, USA

Program plans for special needs populations including Autism Spectrum, brain injury (stroke, TBI, etc.), Parkinson's, Down syndrome, at-risk & troubled youth, substance dependence transition, PTSD, and others. Using Recreation Therapy, Therapeutic Recreation, Neuroscience, Research Psychology, biofeedback, neurofeedback, Compassion Focused Therapy (CFT), Music Therapy, RPG Therapy, and RPG Education methodologies and program plans.

Technologies used: Olimex Open EEG-SMT Neuro monitoring hardware, Brainbay Neuromonitoring software, OpenSuse Linux, Windows 7/8/10, Campaign Cartographer, SweetHome3D, Plone 4.3.

Professional memberships:

- Washington State Therapeutic Recreation Association – www.wstra.org
- Pacific Northwest American Therapeutic Recreation Association – www.pnwatra.org
- Professional memberships: American Therapeutic Recreation Association (ATRA) – www.atra-online.com

Professional certifications:

- Mental Health First Aid USA - www.mentalhealthfirstaid.org
- Health Information Network's HIV/AIDS Education Certification – www.healthinfonetwork.org

- Veteran's Health Administration Certifications: vha.train.org
 - Assessment & Treatment of Sleep Problems in PTSD:
 - Background, April 25, 2016.
 - Pharmaceutical Treatments, May 11, 2016
 - Practical Assessment for PTSD, May 11, 2016
 - Cognitive Behavioral Treatment, May 25, 2016
 - Alternate Methods for Delivery of Cognitive Behavioral Treatment, August 23, 2016

2004-2016

Founder and Primary Investigator (Researcher)

Volunteer

RPG Research Project – www.rpgresearch.com

1312 N Monroe Suite 114

Spokane, WA 99201, USA

Research studies on the therapeutic and educational effects of all forms of role-playing games (tabletop, live-action, solo, & computer-based), and their potential uses to achieve therapeutic and educational goals for regular and special populations.

2011-2016

Founder & Group Facilitator

Volunteer

Spokane Music Therapy Community Group – www.spokanemt.com

1312 N Monroe Suite 114

Spokane, WA 99201, USA

A monthly community group discussing all aspects of music therapy and therapeutic music.

2006-2016

Founder & Facilitator

Volunteer

Eä Tolkien Society – www.tolkien-society.org

Spokane, WA, USA (various locations)

Facilitation of monthly meetings, annual conventions, and community outreach, discussing all topics related to the works of J.R.R. Tolkien, C.S. Lewis and other contemporaries. Broadcast live over the Internet, with international participation from users around the world including USA, Finland, U.K., China, and many others.

2005-2016

Founder & Facilitator

Volunteer

TolkienMoot & MerpCon Conventions – www.tolkienmoot.org

Spokane, WA, USA (various locations)

Annual conventions.

2005-2016

Founder, Co-editor, Contributor, Publisher, Webmaster

Volunteer

Other Minds Magazine – www.other-minds.com

USA, Germany, and other countries

On international scholarly quarterly publication on J.R.R. Tolkien and his works. Offered primarily as a download from the website in PDF format with limited print runs available. Setup and administrate full content management and workflow system using Zope / Plone. Also collaboration enabled through forums, wiki, and email lists. Contributions submitted from participants world-wide, with staff review and editing. Focused on using “open” technologies for layout, pre-press and distribution.

2015

Co-host & DM

The Spartan Show’s Adventurer’s Guild - www.spokanerp.com/adventurers-guild

Spokane Valley, WA, USA

2010-2012

Incident Handling, Systems & Networks Engineer – www.interlinkadvantage.com

Employee

Interlink Advantage (since acquired by Intrinium – www.intrinium.com)

609 N Argonne Rd

Spokane Valley, Washington, 99212

United States

CEO/COO/Supervisor: Kurt Runolfson

Networking, systems, sales, consulting, project management, and many other services provided as consultant and service provider. NDA (Non-Disclosure Agreement) and non-NDA clients not listed elsewhere.

Technologies used: OpenERP, Ubuntu linux, Windows, networking, SSH, IRC, rsync, DNS, Samba,

2010-2012

Incident Handling, Database Architect, Administrator, Systems & Network Engineer, Disaster Recovery through Interlink Advantage

People to People

1222 N. Regal

Spokane, WA 99202

Performance audits, high availability database design and administration, Systems & network support, incident handling, disaster recovery design and administration.

Technologies used: MySQL High Availability, InnoDB, MyISAM, CSV storage engine, Federated storage engine, Ubuntu Linux, SSH, VPN, PhpMysqladmin,

2010-2012

Systems & Networks Engineer through Interlink Advantage

Eastern Washington Center for Deaf & Hard of Hearing, now Nexus - nexusinw.com

Contract

1206 N. Howard St.

Spokane, WA 99201

Incident Handling, Security Audits. Without Interpreter, using American Sign Language (ASL), provided significant systems and network technical support for entire facility. Wanting to improve HIPAA compliance. Performed HIPAA compliance audit to help them improve. Overhauled much of facilities infrastructure greatly improving security stance and HIPAA compliance. Also trained other personnel, many requiring use of ASL, to improve their security-related behaviors. Very significant improvement after training.

Technologies:

Security Audits

Incident Handling

Performance Audits

HIPAA audits

HIPAA compliance implementation

Dell Dimension 2400

Dell RD1000 tape backup system

Dell Poweredge 840

Windows XP

Windows Server 2003

.NET

Safemail

SSL

Purple, P3, videophone technologies

Sorenson VRS VP-200 Videophone hardware

D-link I2Eye Videophone hardware

Symantec Endpoint

Microsoft Exchange Server

Outlook Web Access (OWA)

Kerberos

NTLM

X.400

DNS

Comcast Business Cable

Belarc Security

SMTP

PO3

IMAP4

DHCP

WEP

WPA

Wireless

Mydefrag

Compaq Presario

DSL

VPN

RDP

PGP

GPG
Cygwin
Rsync
SSH
Visio
Etherape
Driftnet
Wireshark
Zenmap
SuperPayPhone
Firewall
NAT
3Com Superstack
McAfee
Virtual Machine
Windows 7

2010-2012

Project Management, Incident Handling, Systems & Network Engineer, Disaster Recovery through Interlink Advantage

American Behavior Health Systems - <https://www.americanbehavioralhealth.net>
44 E Cozza Dr, Spokane, WA 99208

Incident Management, security audits, performance audits, HIPAA audits, PCI audits, Systems & network administration, project management, and disaster recovery administration for interstate locations.

Technologies used:

User-based, rather than IP-based, access control, LTSP, Squid, Zimbra, PAM, DNS, Windows, Linux, Networking, Virtual Private Networking (VPN), Secure Shell (SSH), Internet Relay Chat (IRC), Xchat, wireless, ZNC, SSL certificate management, Virtual Machines (VM), Zimbra, Hiveminder, Evernote, WebOS, Visio, Firesheep, Blacksheep, Blackberry, Palm Pre, tcpdump,

2010-2012

Incident Handling, Systems & Network Engineer, Disaster Recovery through Interlink Advantage

Contract Design Associates - <http://cdainteriors.com>
Spokane, Washington.

Incident handling, systems & network administration, disaster recovery.

Technologies used: Ubuntu Linux, Windows, Networking, Samba, Webmin, VPN, SSH, networking.

2010-2012

Systems & Networks Engineer through Interlink Advantage

Inland Meats
1222 N. Regal
Spokane, WA 99202

Systems & network support. Workflow analysis to create proposal for improving their processes.

Technologies used: SCO Openserver release 5, Windows XP, Windows Vista, Windows 7, AccPack, Inventory control systems, Tren Chipaway Antivirus, Adaptec SCSI, OpenVPN

2010-2012

Systems & Network Engineer, Business Technology Consultant through Interlink Advantage

Mines Managements

905 W RIVERSIDE AVE # 311 SPOKANE, WA 99201

Systems Administrator and business technology consulting. Quickbooks overhaul.

Technologies used: Windows Server 2003, MediaWiki, networking, Quickbooks, Microsoft SQL Server, OpenERP, Avia Digital Phone System.

2010-2012

Systems & Network Engineer, Business Technology Consultant through Interlink Advantage

MMI International Trade - <http://mmiline.com>

5818 East Broadway Avenue

Spokane Valley, WA, 99212

Systems and network administration, hardware troubleshooting and repair.
Technologies used: Debian Linux 5.0, Gentoo, Asus motherboards, LSI motherboards, Adaptec SCSI, Adaptec SATA, networking, SSH, VPN,

2010-2012

Systems & Network Engineer, Business Technology Consultant through Interlink Advantage

Scanivalve - <http://scanivalve.com>

1722 N. Madson Street

Liberty Lake, WA 99019

Systems and network administration, hardware troubleshooting and repair.
Technologies used: Windows, Active Directory Server (ADS), Windows 2003 Server, networking, DNS, SSH, VPN

2008-2012

Webmaster, Audio/Video Engineer, Talk Show Host & Founder.

Volunteer

Middle-earth Talk Show – www.middle-earthtalk.com

Spokane, WA

2007, September, to 2009.

Founder, Webmaster

Volunteer

Spokane Mandarin Chinese Language Group - www.spokanechinese.com

(Kungfu for life address on Foothills and Div/Ruby)

Spokane, WA,, USA

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2004 to 2012

Internet Radio Streaming Systems Administrator & Webmaster

Volunteer

Middle-earth Radio – www.middle-earthradio.com

Santiago, Chile. Liberty Lake, WA. Spokane, WA.

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2008, January to 2011

Founder, Administrator, Webmaster, Facilitator

Volunteer

Spokane Java User Group (JUG)

www.spokanejug.com

Spokane, WA, USA

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2008, January to 2011

Founder, Administrator, Webmaster, Facilitator

Volunteer

Spokane Python User Group (PUG)

www.spokanepug.com

Spokane, WA, USA

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2008 - 2011

Webmaster, Graphics Designer, Developer, Internet Services Hosting Provider

Contract

Sushiwa .. - www.spokanesushiwa.com

...

Spokane, WA, ...

...

Technologies: Apache Web Server, OpenBSD, CentOS, SSH, FTP, Gimp, HTML, gmail, ezmlm-idx, postfix, SMTP, POP3, IMAP,

2008-2010

Webmaster, Graphics Designer, Developer, Internet Services Hosting Provider

Contract

Easy Clean ... - goo.gl/aKIS5m

...

Spokane, WA, ...

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Technologies: Apache Web Server, OpenBSD, CentOS, SSH, FTP, Gimp, HTML, gmail, ezmlm-idx, postfix, SMTP, POP3, IMAP,

2008 - 2009

Consultant, Videographer, Audio/Video Engineer, Video Editor, Photographer

Contract

Someone USA Inc. - www.someoneusa.com

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2008, February, to 2008, March.

TriGeo Network Security Inc. - goo.gl/iL7kZn acq. by Solar Winds solarwinds.com

Sales Engineer & Information Security Community Developer

Employee

510 Clearwater Loop, Suite 1

Post Falls, ID 83854

(208) 664-7000 - telephone

(208) 666-9710 - fax

February 2008 to March 2008

Company provides extensive Security Information Management solution. I was trained to act as "bridge" between sales staff and engineering department for prospective clients. Created internal web-based workflow-enabled content management system. Extensive research on competitors and competing products related to SIM (aka SEIM, SIEM, SEM, Security Information Management) technologies.

Originally brought in as technology trainer. CEO intervened, wished to use my distinctive skill set for desired position with multiple roles, sales engineer, and community engagement developer/facilitator.

Technologies used: Various Intrusion Detection Systems (IDS) & Intrusion Protection Systems (IPS) combined with Trigeo proprietary security technologies (NDA), Zope, Plone, Citrix, Java, Linux, ...

2007, Oct 13

On site Systems Administrator, Network & VPN Administrator, Technical Support Contract

Spokane Hardware Supply Inc. (through www.onforce.com, through CompUSA)
2001 E Trent Ave.
Spokane, WA 99220

Remote "Login Tunnel" VPN service kept dropping. Was able to troubleshoot and resolve.

Technologies used: ...

Kung fu For Life

Assistant Instructor

Webmaster

Systems/network Administrator

www.spokanekungfu.com

2004 to 2009

Spokane ASL (American Sign Language)

Founder, Webmaster,

www.spokaneasl.com

2006 to 2012

MerpCon Convention

Founder, Event Organizer, Webmaster, Administrator.

2005 to 2009 (now Tolkien Moot)

An annual international event dedicated to fans of J.R.R. Tolkien.

Clemens Mechanical

October/November 2007

Completely convert entire company infrastructure from Windows-based to Mac OSX based.

Steelhead Specialty Minerals

August to October 2007

Perform systems performance and security audit on Windows XP based infrastructure.

2007

Consultant, SysAdmin, NetAdmin

Contract

Clemens Mechanical

...

Spokane, WA,, USA

...
Technologies: Mac OSX, OSX Server, Windows XP, Parallels, LDAP, IMAP,
SMTP, ..., ...

2007

Consultant, Security Auditor, Systems & Network Administrator

Contract

Steelhead Specialty Minerals - steelheadspecialtyminerals.com (through onforce.com)

1.800.367.1534

1212 N. Washington St. Ste# 107

Spokane, Washington 99201

...

2004-2007

Technical Advisor, Systems & Network Administrator, Developer, Webmaster, Internet Streaming Host Provider, Terrestrial Radio Equipment Technician

Volunteer

KYRS FM Radio – www.kyrs.org

35 W Main Ave #340E

Spokane, WA 99201, USA

(509) 747-3012

Volunteer technology consultant and administrator for network, systems, website
and email. Internet streaming provider as well.

Supervising Manager: Rose Johnson – (509) ...-.... email:

Owner contact: Lupito Flores

Technologies: Windows XP, Mac OSX, FreeBSD 4.x, and Suse Linux. Geeklog,
Zope & Plone web/application servers, Qmail, Ezmlm, Squirrelmail, Icecast, Shoutcast,
Ampache, ...

2004, March, to 2006, September

Systems Administrator, Technology Consultant, Talk Show Host, DJ (volunteer)

Volunteer

NEKKID Radio Internet Radio - www.nekkidradio.com

Santiago, Chile & multinational locations (remote access)

Provided consultation services, audits, hosting solutions and implementations for
NR's interactive Internet Broadcasting services.

Provided website hosting using Zope-Plone.

Technologies: Real Broadcaster, Winamp SimpleCaster, SAM2 Broadcaster,
Apache 1x & 2x, MySQL, Phpnuke, Zope

2006-2007

Systems Administrator, Terrestrial Radio Technician, Webmaster, Streaming Services Provider, DJ, Talk Show Host (volunteer).

Volunteer
KYRS FM Radio – www.techtalkhawke.com
Spokane, WA

....

2005-06

DBA & Developer (contract)
Contract
Infoco USA - www.infocousa.com

...

...

...

2005-2016

SysAdmin, Developer, Webmaster, Audio/Video Broadcast Engineer, President
Volunteer
Eä Tolkien Society, an official Smial of the U.K. T.S. - www.tolkienmoot.org
Spokane, WA, USA

...

2003-2005

Consultant, DBA, Developer, & Webmaster
Contract
Veridex Index Corp. - goo.gl/AdUXuE (was www.veridex.us)
Malad, ID, USA

...

2001-2005

SysAdmin, Developer, DBA, Consultant, Webmaster (contract)
Contract
Colorific Signs LLC - goo.gl/ag9tUo
Malad, ID, USA

...

2003-2005

Systems & Networks Information Security Analyst, Consultant, & Admin
Contract
Axxess.net Internet Service Provider - goo.gl/XfQ5JY
Idaho Falls, ID, USA

...

2002-2005

Technical Support, SysAdmin, Developer, DBA, Webmaster

Contract

Platinum Financial - (was www.pfmortgages.com (defunct by 2007)

West Jordan, UT, USA

...

2002-2004

Technical Instructor, Systems Administrator, Network Administrator, Webmaster

The Computer Schools d.b.a. - goo.gl/fdlAoY

208-766-2022, 800-887-0176

17 Bannock St.

Malad, ID, 83252, USA

...

Technologies Used: Symantec Ghost, Windows 9x/Me/NT/2k/XP, phpnuke, postnuke, mysql, ...

....

2002, July to 2003, September

CIO/CTO/CSO, President, SysAdmin, NetAdmin, Webmaster, Wireless Technician

MaladNet Wireless Internet Services Provider d.b.a. - goo.gl/ksbeBy (Dev 2 Dev Portal LLC services)

17 Bannock St.

Malad, ID, 83252, USA

Provided broadband wireless Internet services to entire valley in 8 mile by 12 mile coverage area. Provided services to home users, businesses, government, and medical facilities. Provided up to T1 service to each location. Full traffic usage tracking and reporting, filtered content and email upon request, bandwidth shaping, fail-over connections, website hosting and design, support services. Trained multiple installation and support technicians. Supported over 100 users per tower at peak with reliable high speed access. Included mission-critical services for medical clinics and hospitals.

Designed and custom manufactured completely self-supported solar-and-wind-powered wireless Internet tower systems providing connectivity, relay/repeater, and full monitoring of voltage, temperature, traffic, and physical intrusion detection and motion activated video all on solar powered/battery operated system on mountainside.

Temperature/climate controlled units designed and modified to withstand winters with several feet of snow and temperatures below -20f and summers over +112f (shade) and over 140f (radiant).

Notable Business clients

- 2002-03 - Consultant – Hess Lumber - www.malad.com/community/hesslumber.htm
- 2003 - Albert's Automotive
- 2003-2004 - Malad Valley Clinic
- 2003-2004 - Grant Heilesen Properties
- 2003 - The Circuit Gym
- 2003 - BK Pumice – www.hesspumice.com

Colo servers at Hurricane Electric, Xmission, Oklahoma, and our own dedicated server farm (built from scratch), in Malad City Idaho, later with additional servers in Idaho Falls, ID.

Cisco, T1, UUnet, WorldCom, Albion Telephone Company (ATC), SNMP, Etherape, tcpdump, nmap, IRC, hybserv, hybrid.

Java, PHP, Python, and Perl programming

MySQL and PostGreSQL databases

Novell eDirectory, , Apache, SSL, MRTG, SNMP, SMTP, POP3, Qmail, Tripwire, iptables, pf, etherreal, etherape, various other IDS technologies (not disclosed), CuSeeMe client and reflectors for full audio/video conferencing with full duplex multi-user simultaneous meetings, PPTP and IPsec VPNs, PostNuke, PHPNuke, Zope, Jserv, Tomcat

RADIUS, Kerberos, LDAP, BIND, DNS, SMTP, Single Sign On (SSO), LEAP, 802.1x, MAC and IP access control

Servers: Linux Redhat, Debian Linux, OpenBSD, Trusted Solaris 6 & 7.

Supported user platforms: Windows 3.x/9x/Me/NT/w2k/XP, Mac OS 8x/9x/XX, Linux (several distros), Solaris 6/7/8/9

802.11b & g and 802.11a 2.4 ghz and 5 ghz wireless.

Cisco Aironet Aps and bridges (3x0 and 1x00 series), 3Com, Intel, D-link, Hyperlink, Fab-corp, Linksys, and many other wireless companies' technologies for clients, bridges, and Aps.

Amplifiers, high gain antennae (sector, omni, pad, and parabolic), LMR 400 and 240 custom coax and fittings.

2002-2004

Consultant, Systems Administrator, Network Administrator, Wireless Internet Provider

Contract

Oneida County Hospital – Announcement:

<https://web.archive.org/web/20030326000548/http://www.oneidahospital.com/> - www.oneidacountyhospital.com

150 N 200 W

Malad City, ID, 83252, USA

(208) 766-2231, FAX 208-766-4819

Provided broadband wireless services to help improve implementation of their imaging systems link with other hospitals and facilities. Helped as consultant in conjunction with their systems and network administrators to rectify internal LAN/WAN issues beyond the scope of the hospital's administrator skills.

Over time Oneida County Hospital decided to move its entire ISP service from ATC (Albion Telephone Company) to Dev 2 Dev Portal LLC's MaladNet Internet Services in March 2003. In so doing, Dev 2 Dev Portal LLC helped provide and train

Oneida County Hospital staff in setting up and training their technical staff to use the new domain and website. Owned by the people of Oneida County, Oneida County Hospital and Long Term Care Facility provides emergency, inpatient, outpatient, acute and long-term care since 1925

Other technologies used: OpenBSD, Linux, Kerberos, LDAP, BIND, DNS, SMTP, Single Sign On (SSO), POP3, SSL, and many others.

2003, September

Information Security Guest Instructor/Speaker

Bridgerland Applied Technology College goo.gl/1DFVpE / Now Davis Applied Technology College www.datc.edu

550 East 300 South

Kaysville, UT 84037

Phone: (801) 546-2441

Previously Logan, Utah

Invited (out of the blue, by referrals from others) as a guest speaker for several hours in duration, lecture on Redhat, Linux, & Open source versus Windows 2000 & XP, and the pros and cons of open source vs. closed source approaches, products, and Information Security.

2002, April to 2003, March.

Systems & Network Administrator, Consultant & Support Technician

Contract

Dev 2 Dev Portal LLC Client

Valley Insurance Inc.

60a Bannock St.

Malad, Idaho, 83252

208-766-4700

Provided simple systems administration and support for their small 3 windows 98 systems network.

2002, April through August.

Administrator, Developer, DBA, Webmaster

Contract

Dev 2 Dev Portal LLC Client

Creative Earth LLC - <https://goo.gl/Hc98QN> - www.creativeearthonline.com

Malad, Idaho, 83252

Neil Martin (Owner)

Setup and administrate website and e-commerce shopping cart system for client using Apache, Postnuke PHP Server, MySQL, Redhat Interchange, Solaris 8, Java 2, PERL, HTML, & SQL.

Worked with client to create completely template driven new version of site that client could update themselves, rather than being dependent upon technical and development personnel to simply update site content.

New template-based version of site launched June 2002. Previous version was a very poorly designed static HTML site. Creative Earth Herb & Perennial Farm L.L.C. is a small, family owned and operated, wholesale/retail botanical farm located in Southeastern Idaho.

2002, August to December.

Systems Auditor, Analyst, Consultant

Contract

Dev 2 Dev Portal LLC Client

Devon Energy Corporation

Oklahoma, Texas, Wyoming, & Canada

Supervisor: Stephen Taylor (Now At Chesapeake Energy)

www.dvn.com

Devon Energy is a large USA-based energy and oil company. The project was titled "Data Services Division Performance Audit and Recommendations". I gathered extensive data and performed in depth research on Solaris, Windows and related application servers to optimize systems for maximum performance, security, and reliability. **Audited**, researched, and produced recommendations on **over 160 servers** in three states and two countries. Testing and production implementations covered:

- Solaris 6,7,& 8.
- Windows NT Server
- Windows 2000 Server
- IIS web server
- Apache web server
- ESSBASE
- Brio
- PEEP
- Oracle 8 & 9
- MS SQL Server 2000
- LDAP
- LDAP iPlanet 5x
- Kerberos
- ADS
- YP/NIS+
- Windows Domains

2000, September to 2002, February.

CTO - Chief Technical Officer/CSO - Chief Security Officer

Salaried Employee

September 2000 – February 2002

MightyWords Inc. (A division "spin-off" from Fatbrain)

Santa Clara, California

goo.gl/mueAYR - www.mightywords.com (acquired by Barnes & Noble).

Personally implemented complete V.O.W. (Virtual Office & Workplace) including VPN, audio & video conferencing, application sharing, and later handed off to Operation Team when those positions were finally filled.

Built entire technical infrastructure (servers, network, workstations, printers, firewalls, Internet connectivity, email, software, etc) from scratch. Successfully implemented complete wireless ("secured") LAN and wireless mobile user ("road warrior") infrastructure keeping our sales, technical and executive staff well connected, with up to date information, and easy, constant access to resources.

As CTO, created from the ground up an entire Technical Department. Department size averaged around 15 regular employees plus 10-20 outsourced,

offshore, and contracted personnel as needed. Direct reports included: interim Development Director, Project Manager, Technical Operations Director, Support Manager, Data manager, Security Manager, Research & Development, Technical Writers, Java Developers, DBAs, Systems & Network Administrators, QA Engineering, UI, and Security Administrators. Took over as Development Director in addition to maintaining CTO position, after previous Director left company (due to H1b complications). Managed the creation, development and successful deployment of an industry revolutionary DRM (Digital Rights Management) client and server technology. This technology is becoming the preferred DRM for Barnes & Noble .com, Fatbrain, Sparks Notes, iUniverse and many others to supplement and even replace Adobe & Microsoft's DRM technologies. Implemented complete site integration with partner sites including (but not limited to): Barnes & Noble, Fatbrain, Lightning Source / Amazon, Internet.com, DevX.

Was key part of leading development team to create an industry revolutionizing DRM technology, that became in demand by Barnes & Noble (.com) family companies, Fatbrain, & Microsoft publishing (to name just a few), because of it's superior flexibility and low customer support ratio, compared to other leading (Adobe, Glassbook, MS) DRM technologies.

Managed team of developers and administrators running a content management, e-Commerce, and co-branding system handling over 50,000 DRM managed PDF documents for sale, 100,000+ supporting images, over 150 distribution partner sites & over 5,000 content providers.

Worked regularly with Barnes & Noble, Fatbrain, and other partners on many content management & ecommerce related projects.

Architected & administrated many "N-tier" environments on different scales as fit traffic and uptime requirements.

The experience listing below is not listed as keywords or "buzzwords", but indicate real world working experience. I designed, purchased, and configured the systems listed, as well as worked with contractors, and later transitioned them to other employees as I hired them to fill the pre-planned positions, all under budget, and ahead of project schedule.

Equipment, OS, & Software hands on design, installation, and administration included: Sun e220r (20+ systems), A1000 (4), D1000 (4), E450 (1), Ultra 10 (25+), Netscreen 10 VA Linux systems (20+), Cisco Catalyst 19xx series, Dell 1400 series servers, PPTP, IPSEC, Veritas, Cybersource, Solaris 7, Oracle 8.1.6 & 8.1.7, MySQL, Postgresql, ACS, (Arsdigita Community System & CMS), Aolserver, Tomcat 3, Apache, CVS, Bugzilla, MS SQL 2000, Exchange 2000 (Exchange/Outlook, IMAP, POP, SMTP), ADS, MS Windows 2000 Advanced Server, MS Project 2000 & MS Project 2000 Central Server, Redhat, Mandrake & VA Linux 6.2 through 7.2, Qmail, Ipchains, Poptop Server, SMB, Cupsd, Mixed user environment of Linux & Windows 2000 Pro desktops & laptops, CDPD (AT&T Wireless & Verizon Wireless), Ricochet services (until their demise), Optistreams & Hughes Satellite Internet Satellite services (1.8Mbps down, 90Kbps up completely landline free system), Spread spectrum wireless T1, LDAP, BIND, DNS, SMTP, Single Sign On (SSO), DRM.

2000 – Consultant, Webfusion Developer – Franklin Covey – www.franklincovey.com

2000 – Senior Principal – Technology Solutions Corporation (TSC)

2000 – Analyst/Architect – Internet Shopping Network – goo.gl/Liywqp of www.hsn.com

2000 – Corporate Systems Architect and Analyst – Franklin Covey – www.franklincovey.com

Architect, design, & assist in implementation of development, staging, QA, and production environments for eCommerce, online Planning, Online Training, Device Synchronization, colo & hosting providers, as well as other services.

Worked in key roles developing the Franklin Covey Online Training program.

Designed entire architecture & documentation for complete implementation plan, purchased & installed hardware and software, configured, documented, and detailed ongoing maintenance and growth plans for project to complete after finishing my contract term. <http://www.fclearningcenter.com/>

Hardware included: e4500's, e420r's, e220r's, e450's, Ultra 10's, x86 multi cpu systems (for Linux), BigIP + SSL, Cabletron SSR2000, SSR8000, Nokia 650 VPN/Firewall, A1000 RAID arrays, and many other components.

Software included: Solaris 2.7, Windows 2000 Server, Redhat 6.2, Allaire JRUN 3, Allaire ColdFusion 4.51 for NT, Coldfusion for Solaris, Kerberos, LDAP, BIND, DNS, SMTP, Single Sign On (SSO), Oracle 8i, IIS, Apache, Visual Source Safe, Rational Clear Quest, gmail, ssl, Fusion one synchronization services.

1999-00 – Director of Operations – Franklin Covey Online Learning - goo.gl/UIQTrU

1999 – SysAdmin, InfoSec – Franklin Covey Electronic Solutions – www.franklincovey.com

1999 – Unix Admin – Franklin Covey – www.franklincovey.com

1999 - Network, Systems, Websites and Security Admin & Dev. via ITI - goo.gl/qBP2EN

1998-99 – Consultant, SysAdmin, DBA - Utah Dept. Public Safety via ITI - goo.gl/qtD43f

1998-99 – Consultant, SysAdmin, DBA – UT Corrections Dept. via ITI - goo.gl/uuO6Cn

1998-99 – SysAdmin – State of Utah Dept. of Tech Service via ITI - dts.utah.gov

1998 - Client Solutions Implementation & Admin & Java Dev – ITI - goo.gl/qBP2EN

1998 - CIO & Lead Developer – PC Easy - goo.gl/xHsY0F

1997 – SysAdmin – EG&G Chemical Weapons, Tooele, UT via Comspec goo.gl/2ZvRnx

1997 – SysAdmin – Kennecott Mining, UT, via Comspec - www.kennecott.com

1997 – SysAdmin – LDS Data Services, UT, via Comspec - tech.lds.org

1997 – SysAdmin – Swire Coca Cola, UT, via Comspec - www.swirecc.com

1997 - Network and Systems Administrator – Comspec Corporation - goo.gl/7V5ILU

1997 – QA, Junior Developer, Java & Visual Basic – SoftDocs Inc. - www.softdocs.com

1996-08 - Admin, Developer, DBA – Alpentech Inc. - www.alpentech.net

1996-97 - Head Systems & Networks Technician & Java Developer – PC Easy - goo.gl/xHsY0F

1996 - Netware, Wang, & WFWG Admin, UCC/Broadview Univ broadviewuniversity.edu

1995-96 - Assistant Network Admin – Teltrust Inc. Directory Services - goo.gl/bKPIOM

1992-95 – Bus. & Res. Sec. Mgr & SysAdmin – Villa Franche & Laurelwood Prop., UT.

1988-90 - Security and computer systems support – Brittainny Apartments, Murray, UT.

1979-94 – Independent and contracted software developer, Utah.

1979, 1983-87 – Surveyor, Lumberjack, Construction - Lost Packer Mining Co., Idaho.

2015 – Contracted InfoSec Incident Handler – NBC Packaging USA - nbcpkgusa.com

Founder & Lead Researcher – RPG Research (2006+) www.rpgresearch.com

Details pending...

Founder – Spokane Music Therapy.com (2011+) www.spokanemt.com
Details pending...

Founder - Inland Empire Tolkien Society (2008+) www.tolkienscholars.org
Details pending...

Founder, Organizer – Tolkien Moot convention (2009+) www.tolkienmoot.org
Details pending...

Founder & Host – Middle-earth Talk Show (2008+) www.middle-earthtalk.com
Details pending...

Founder – Middle-earth Radio (2006+) www.middle-earthradio.com
Details pending...

Administrator/Developer/DBA/Support Technician
Dev 2 Dev Portal LLC Client
December 1996 – 2008
Alpentech Inc.
2871 South 2870 East
Salt Lake City, Utah, 84109
Beat VonAllmen (Owner)
www.alpentech.net

Setup and administrate website and e-commerce shopping cart system for client using Apache, ACS (Arsdigita Community System), MySQL, PostgreSQL, Oracle 8.17, Redhat Interchange, Java, PERL, HTML, SQL & PLSQL, PhpNuke, PostNuke, & Zope.

Worked with Wells Fargo Bank Merchant Services division to setup and deliver “real-time” credit card authorization and full featured shopping cart and CRM.

Alpentech Inc. designs mountain resorts around the world including: Park City, Snowbird, Alta, Brighton, Solitude, Snow Basin, and many others. Alpentech also sells maps and posters, and now sells online to consumers, dealers, and special partners via this newly enriched site.

Note: I have provided various technical services and support for this client since 1996 when he first became a PC Easy customer, and he has insisted on my help ever since, he has tried others to help him when I'm not available, but he always opts for me when I'm available.

Providing hosting services for DNS, SMTP, POP, SSL, Redhat Interchange, Apache, Wells Fargo & Verisign Merchant services, real time credit card authorization and other related services.

Administrator/Developer/DBA/Support Technician

Independent Contractor

August 1995 – (2005)

Color Signs & Graphics

(Formerly Colorificsigns LLC formerly Colortops)

2885 West 1000 North

Malad City, Idaho, 83252

Kent Christen (Owner)

www.colorsandsignsandgraphics.com

Setup and administrate website and e-commerce shopping cart system for client using Apache, ACS (Arsdigita Community System), MySQL, PostgreSQL, Oracle 8.17, Redhat Interchange, Java, PERL, HTML, SQL & PLSQL, PhpNuke, PostNuke, Zope.

Setup multiple custom payment options (purchase orders, automatic billed accounts, etc). Colorificsigns LLC creates and distributes banners, "toppers", and custom signs for retail outlets, convenience stores and gas stations all over the US. Some clients include: Flying J, Holiday Oil, Western Union, and many others.

The new site enables clients to make complete catalog orders online with a wide variety of pricing structures (bulk, special partner discounts, etc).

Providing hosting services for DNS, SMTP, POP, SSL, Redhat Interchange, Apache, and related services.

Security, Systems, Wireless & Wired Network Consulting

Dev 2 Dev Portal LLC Client

August 2003 – February 2004

Axxess.net www.axxess.net -

<https://web.archive.org/web/20031027022256/http://www.axxess.net/>

Idaho

Audited and verified systems compromise of Linux and windows servers. Completely overhauled entire ISP's infrastructure at Idaho Falls location. Replaced all servers with OpenBSD and full hardening. Setup monitoring, graphing, and alert systems. Setup IDS (Intrusion Detection Systems) using various opensource applications.

Services setup/overhauled included: DNS, SMTP, POP3, Qmail, IMAP, LDAP, SSH, SSL, HTTP/HTTPS, FTP, SFTP, spam filtering, nat, routing, firewall, etc.

Products included (just a brief overview): Apache, postfix, spamassassin, tripwire, pf, mrtg, OpenBSD & RedHat, Visio Enterprise, Kivio, OpenOffice.
900 Mhz wireless.

Consultant

Dev 2 Dev Portal LLC Client

May 2003 – September 2003

www.veridex.us

Michigan, Oregon, & Idaho

Consultant and offered CTO position (I declined) to completely scope out, architect and design, and build working prototype from scratch. Community-centric portal using forums, score rankings, voting logic, and other complex implementations to provide scoring for the integrity of publicly traded companies.

Technologies used included:

Java, PHP, and Python programming

Apache, SSL, MySQL, SMTP, POP3, LDAP, Qmail and MRTG.

PHPNuke, PostNuke, Zope, Redhat Interchange

Visio Enterprise, Kivio, OpenOffice.

Consultant, Systems and network support technician

Dev 2 Dev Portal LLC Client

Hess Lumber March 2002 - December 2003

<http://www.malad.com/community/hesslumber.htm>

Idaho

Provided technical support for tcp/ip network, ISP services, and Windows XP systems.

Consultant for networking, systems, security, and wireless advising and training

Dev 2 Dev Portal LLC Client

Hess Pumice

www.hesspumice.com

August – December 2003

Provided training, design, and general consultation in their efforts to upgrade and overhaul their network and systems, as well as an initiative to provide wireless broadband to their employees over several miles distances on point to point basis.

Complete overhaul/upgrade of systems from NT/w2k based network to standardize on OpenBSD, Linux, and Windows NT.

Security audit and advising on security best practices, policies, and technologies.

Technologies covered included:

Windows NT, W2k, XP, OpenBSD, Mac, & Linux

IIS, Apache, PHPNuke, PostNuke, Zope, OWA

MS Exchange, Postfix, Sendmail, Qmail
Visio Enterprise, Kivio, OpenOffice.
802.11b/g and 802.11a training provision and security best practices.
IPSec VPNs and hardware/vendor VPNs (Cisco).
Cisco 3x0 and 1x00 Aps and Bridges.
Various IDS technologies (not disclosed)

Instructor & Systems Administrator
Dev 2 Dev Portal LLC Business Division
April 2002 – June 2003
The Computer Schools
Malad, Idaho, 83252
www.thecomputerschools.com

Provide technical instructional services to local adult students.
Provide technical support, systems administration, website design, hosting,
administration, email services, and more.

Administrator/Developer/DBA
Dev 2 Dev Portal LLC Client
April 2002 - August 2002
Platinum Mortgage Group
Salt Lake City, Utah, 84109
Karl Christen (Employee)
www.pfmortgages.com

Setup and administered dynamic template driven website using Apache,
Postnuke Server, Redhat 7.2, Solaris 7, MySQL, Java, PERL, HTML, PHP, & SQL.
Helped client register domain, setup website, dns, email server, accounts,
template driven website that client can handle their own content updates.
Worked with client to created complex mortgage calculation and tracking system.
Developed dynamic intranet for employees.
Completed version of site will launch sometime in October 2002.

Administrator/Developer/DBA
Dev 2 Dev Portal LLC Client
May to June 2002
Malad Football Booster Club
Malad, Idaho, 83252
www.maladfootball.com

Setup and administrate website and online catalog system for client using
Apache, Postnuke PHP Server, MySQL, Redhat Interchange, Solaris 8, Java 2, PERL,
HTML, & SQL.
Worked with client to create completely template driven version of site that client
could update themselves, rather than being dependent upon technical and development
personnel to simply update site content.

Instructor

Independent Contractor

September 3rd, 2000 to September 10th, 2000

Contract: Instructional Tour, sponsored by HotLabs (Hands On Training) & Novell.

www.hotlabs.org

www.novell.com

Provo, Utah

Course instructor for:

- NDS 8 on Linux
- Netware 5.1
- Netware 5.1 Small Business Server
- TCP/IP.

Systems Architect and Technology Consultant

Independent Contractor

July 2000 to September 2000

Contract: Franklin Covey eCommerce, Planner, & Online Learning Divisions.

www.franklincovey.com

www.franklincovey.com/fclearning/

www.fclearningcenter.com/

Architect, design, & assist in implementation of development, staging, QA, and production environments for eCommerce, online Planning, Online Training, Device Synchronization, colo & hosting providers, as well as other services.

Worked in key roles developing the Franklin Covey Online Training program.

Designed entire architecture & documentation for complete implementation plan, purchased & installed hardware and software, configured, documented, and detailed ongoing maintenance and growth plans for project to complete after finishing my contract term. <http://www.fclearningcenter.com/>

Hardware included: e4500's, e420r's, e220r's, e450's, Ultra 10's, x86 multi cpu systems (for Linux), BigIP + SSL, Cabletron SSR2000, SSR8000, Nokia 650 VPN/Firewall, A1000 RAID arrays, and many other components.

Software included: Solaris 2.7, Windows 2000 Server, Redhat 6.2, Allaire JRUN 3, Allaire ColdFusion 4.51 for NT, Coldfusion for Solaris, Oracle 8i, IIS, Apache, Visual Source Safe, Rational Clear Quest, qmail, ssl, Fusion one synchronization services.

Senior Principle

Technology Solutions Corporation

July 2000

Salt Lake City, Utah
Chicago, IL
Atlanta, GA
San Francisco, CA

TSC, an organization specializing in the implementation of large-scale ERP, Supply Chain, and CRM implementations. Hired as "Senior Principle"(vice president in training) for technology consulting division. Worked from Salt Lake City, UT home remotely 80% of the time with maximum 20% travel per month to corporate offices elsewhere. Publicly traded company provided technology consulting services to Fortune 1000 and 500 clients. Released after 2 weeks due to failing background check from activities back in 1989 as a teenager, their HR department had not finished the check when they made the offer of employment, and the department did not feel their stock holders would tolerate a VP with such a background. Had accepted this position instead of offers from IBM and SBC/PacBell who had completed background checks before making offers and did not have any issues.

**Systems Architect & Technology Consultant
Independent Contractor**

Contract: July 2000

Contract: Home Shopping Network's Internet Shopping Network (isn.com) (c/o RE-Solutions Group)

www.isn.com

Assist in finalizing implementation of moving entire live production BroadVision 2.5 server environment to new physical location from it's existing location of over 3 years, with minimal downtime (From Sunnyvale, CA area to Irvine, CA area).

Environment included e5000, e4500's, e4000's, e450's, 220r's & 420r's, Ultra5's.

Solaris 2.5.1 & 2.6

Oracle 7.3.4

BroadVision (highly customized bvconf executable, using no interaction managers) 2.5.1 & 2.6

A total of more than 50+ servers successfully moved before deadline and under budget.

**Systems Architect and Technology Consultant
Independent Contractor**

Contract: May 2000

*Home Shopping Network's Internet Shopping Network (isn.com)
c/o RE-Solutions Group*

www.isn.com

Troubleshoot analyze and suggest solutions for moving entire live production BroadVision 2.5 shopping cart server environment to new physical location from it's existing location of over 3 years, with minimal downtime (8 hour drive for equipment).

Environment included e4000's, e450's, 220r's & 440r's.

Solaris 2.5.1 & 2.6

Oracle 7.3.4

BroadVision (highly customized bvconf executable, using no interaction managers) 2.5.1 & 2.6

Corporate Systems & Components Architect
Director of Operations for E-Commerce Division
Security Administrator for E-Commerce Division
Senior Systems Administrator for E-Commerce Division for Solaris, Linux, NT, W2k, Netware, Oracle 8i, ColdFusion, & BroadVision
Salaried Employee
May 1999 – July 2000
Franklin Covey
(Electronic Solutions Division)
Salt Lake City, Utah

www.franklincovey.com

www.franklincovey.com/fclearning/

[www.fclearningcenter.com/ -](http://www.fclearningcenter.com/)

<https://web.archive.org/web/20060218032344/http://fclearningcenter.com/>

www.franklinplanner.com

Propose, design, and create revolutionary uses of leading edge technology and/or methodologies to be adopted throughout entire corporation.

Designed solutions for project business plans, including costs, security, reliability, usability, and marketing.

Broadvision Server/Development Environment analysis, design, setup, maintain, performance tuning, and work with dozens of team members using Broadvision 4.x in both development and production environments.

Systems design, ordering, implementation and administration of Solaris, Linux, NT/2000 E-Commerce (& other services) servers and Oracle and MS SQL Databases

QOS agreements with average uptime requirements of 99.5% to 99.95% uptime per year for development environments and 99.995% uptime for production sites, networks, & systems

Troubleshoot system and network LAN/WAN/Intranet issues.

Develop, implement, program, and maintain customer support procedures, apps, systems & databases. Research, analyze, report, and recommend various technology products.

Recent examples include: Netware 5.1, NDS 8, Netware Single Sign On, Solaris 8, Coldfusion on NT/Linux/Solaris and conversion, Broadvision 4.0 & 4.1 connecting to Oracle 8i, hosting facilities evaluation (Qwest, Intel, TelUS, USI, Abovenet, Xmission, Infomission, and others), Jini, online education programs at Sun and other sites, high capacity (1,000,000+ /day) email services and products, and more.

As Director of Operations for Electronic Solutions Division, built independent infrastructure for 80 users/employees, created independent corporate Information Security team.

As Corporate Systems & Components Architect performed detailed analysis of significantly diverse and non-integrated infrastructure, and provided redesign, planning, and implementation for multinational infrastructure supporting over 4,500 users in over 50 countries.

Research, recommend, design, test, implement, and administrate corporate-wide video conferencing solutions. Research, recommend, design, test, and implement complete Virtual Office & Workplace (VOW) work at home solution. Research, recommend, design, test, and implement complete Wireless Internet solution in conjunction with VOW initiative.

Research, inspect, consult with various hosting companies across US & Canada, and recommend best providers dependent on project needs and business scope.

Create, follow, and enforce project methodologies, plans, and timelines.

Contribute to budget creation and conformance.

Used the following applications and operating systems regularly:

Broadvision 4.0 & 4.1, Solaris 2.6/7/8, Linux Redhat, Windows NT Workstation/Server/Enterprise 4.0 and 2000, Windows 95, Windows 98, Windows CE, Pocket PC OS, Palm OS, IIS 4.0, MS SQL 6.5 and 7.0, Netscape Enterprise Web Server 3.x, Apache Web Server 1.3.x, Oracle 7x/8x/8i, Solstice Suite, VNC, PPTP, Qmail, ezmlm, Raven, SSL, SSH, MS Project 98, Visio, MySQL, jserv, EAS 3.0, Java JDK 1 & 2, Symantec Café, IBM Visual Age (Linux), Sun Forte for Java (community edition), Star Office Suite, emacs, vi, and many, many others.

Head WAN/LAN Network Administrator

Head Systems Head Administrator

Security and Firewall Administrator

Webmaster/Programmer/Web-Designer/Database Administrator

Salaried Employee

Sybase and MS-SQL Database Administrator

Oracle Assistant DBA

June 1998-August 1999

ITI (Information Technology International)

965 East Murray-Holladay Rd.

Salt Lake City, Utah

(801) 268-8600

www.itweb.com

Network administration, website development, Java programming, server and workstation support. Administer multi-site corporate email using Exchange and web-based OWA (Outlook Web Access) tools. Using Java (JDK 1x & 2), created various useful network administration and monitoring applications (Intranet/Internet Level). Maintain client site networks (LAN's, WAN's, Intranets, & VPNs). Redesign, overhaul, and maintain entire company's multi-state (Utah, New Mexico, & Arizona) networks. Troubleshoot system and network LAN/WAN/RAS/Intranet issues. Develop, implement, program, and maintain customer support procedures, apps, systems & databases (using Java and/or Silverstream). Elected as Administrator for Utah Silverstream User's Group. Order, configure and help support ADSL, ISDN, and T1 lines for company and clients.

Mentored/trained various aspiring network technicians as interns.

Used the following applications and operating systems regularly:

SilverStream Application Server 1x & 2x, Sybase Adaptive Server, Oracle Server 7.3 and 8 & 8i, Sybase SQL Anywhere, JConnect (JDBC), ODBC connections, Solaris 2.51/2.6/2.7, Linux Slackware/Redhat/Debian, FreeBSD, Windows NT Workstation/Server/Enterprise, Windows 95, IIS 4.0, MS SQL 6.5 and 7.0, Netware

4.11 and Netware Web Server, Netware LDAP server, Apache Web Server, Netscape Enterprise Web Server, PC Anywhere, VNC, Symantec Café, jBuilder.

Chief Information Officer
Director of Technical Operations
Lead Technician & Administrator
Lead Developer (Java)
Oracle & MS-SQL Database Administrator
Salaried Employee
January 1998-June 1998
PC Easy Computers & Services
Salt Lake City, Utah

Company Project(s) Manager (included up to multi-million dollar projects design). Design, implement, and maintain many remote clients' networks (LAN/WAN/RAS/VPN/Intranet/Extranet). Order, configure, and assist support of ADSL and ISDN lines for clients. Increased system custom build productivity from 5-8 systems per tech, per day, to 20-40 systems per tech, per day. Troubleshoot system and network LAN/WAN/Intranet issues. Develop, implement, program, and maintain customer support procedures, apps, system & databases using VB & Access, PERL, and Java.

Larger clients included: Salt Lake City Corporation, Salt Lake Gateway Project, University of Utah (various educational and research departments), Certified Careers Institute, JH & Assoc. Engineering, various medical offices, various educational facilities various law firms, various smaller government agencies.

Responsibilities included hiring, releasing, training, and managing as many as 12 employees at a time (mostly technical personnel, and some sales reps). Creating and complying to technical budget. Acquiring, and fulfilling client contracts, creating and growing market reach. Creating documented system build process, support process/escalation methods, purchasing/inventory processing, employee training and certification programs, instructional courses (technical, up to 20 students).

UNIX and NT LAN/WAN Administrator
Clients Support Technician for Document Imaging, Workflow & Database Systems
Webmaster
Junior Java Developer
Junior Visual Basic Developer
MS-SQL, Oracle & Informix Database Administrator
Salaried Employee
June 1997-January 1998,
Comspec Corporation & SoftDocs Inc. (Changed to Verticore Technologies)
Salt Lake City, Utah

Designed, implemented, and maintained entire corporate Internet & Intranet sites from scratch. Created (& maintained) Web-based Customer support database using Java. Order, configure and maintain ISDN for company's divisions. Install & maintain NT Proxy, and MS Exchange Servers LAN & Internet Mail.

Designed implemented and maintained corporate (800 number) dialup and ISP services. Some clients included: Kennecott Mining Corp, Varian Mfg, Smiths Foods, Swire (Coca Cola) Distributing, St. Alphons' Hospital, AG&G Chemical Demolitions Facility, LDS Church Missionary Dept., LDS Church Genealogical Dept., Salt Lake City Corporation, Utah State Corrections, Gem Insurance Company.

Worked with integration of software on many platforms:

DOS, 3x, 95, NT (3x & 4), UNIX (AIX, HPUX, Sun/Solaris, Linux), OS/2 WARP, MAC, Netware (2x, 3x, & 4x).

Supported the following network technologies:

TCP/IP, IPX/SPX, NetBEUI, Banyan-VINES, Arcnet.

Application support included:

Filenet, Documentum, Optika, Saros, InConcert, Frequent Filer, and many other "custom coded" programs related to document imaging, document workflow & document management.

Computer Systems Head Technician

Junior VB & Java Developer and MS-SQL & Oracle DBA

Hourly Employee

September 96 to June 97

PC Easy Computers

Salt Lake City, Utah

Increased system build productivity from 2-3 computer systems built per tech, per day, to 6-10 systems per tech, per day. Responsible for evaluating, testing, & approving new hardware & software for purchase by company. LAN administrator for company, as well as contracts for other companies. Webmaster for company site as well as for contracted web-site creation/design/administration for other companies. Train new tech employees. Hire and manage technicians (up to 5 employees).

Computer Graphics Instructor

Automotive Instructor

Novell, WFWG, WANG & LAN administrator

Hourly Employee

March 96 to September 96

Broadview University (previously Utah Career College (previously The Bryman School and Technical College))

The American Automotive Institute

1144 West 3300 South

Salt Lake City, Utah.

www.utahcollege.com -

<https://web.archive.org/web/19981207074202/http://www.utahcollege.com>

Created and instructed approved course in Computer Graphics & trained other instructors to teach the course (up to 20 students). Network Administrator for Novell Netware 2.12, 3.1, WANG, & WFWG/DOS. Instructor for Automotive Technical Division & Office Administration courses (up to 25 students).

Novell Netware 2.12 & 3.1, WANG and WFWG 3.11 Administrator on IPX/SPX & TCP/IP networks. Created curriculum and trained instructors on teaching course in Graphics Design. Course initially focused on Corel Draw, but eventually became full certification program.

Directory Assistance Operator
Assistant Network Administrator
Hourly Employee
August 1995 to March 1996
Teltrust Communications Inc.
www.teltrust.com

Provided directory assistance support.
Provided assistance in troubleshooting and supporting Netware 2.12 and 3com networks and Windows for Workgroup computers internally for Teltrust administrators.

Security Manager
Software Developer
Systems Administrator
Salaried Employee
October 1993 to August 1995
Laurelwood Apartments and Offices
Salt Lake City, Utah

Property Security Manager for 96 apartment units and over 140,000 square ft office complex near downtown Salt Lake City.
Provided software development by custom coding accounting, tenant tracking, and inventory software suite in QBASIC.
Provided PC systems support for OS/2, DOS, and Windows based systems.
Some early Linux use beginning around 1994.

Photographer, Darkroom & Lab Technician
Howell's Photography
1995

Black & White archival darkroom technician (from negatives to plates up to 8"x10"), color lab processing technician and photographer.

Color Lab Enlargements Technician
Kodak Qualex Photo Labs
1993-1994

Operated color enlargement lab equipment (manually), for up to 11"x14" print enlargements. Graveyard shift.

Independent Contracted Photographer
Models' International, The Look, & 7 other top model agencies in area.
1992-1995

Independent photographer for many agencies, companies, musicians/bands, magazines, and other opportunities.

Security Manager
Property Maintenance Manager
Systems Administrator
Software Developer
Salaried Employee
May 1992 to October 1993

***Villa Franche, Starcrest, & Millcreek Meadow Apartments
Salt Lake City, Utah***

Property Security Manager with crew of two other security officers.
Property grounds and maintenance manager with crew of six maintenance staff.
Managed contractors for paint, plumbing, electrical, construction etc.
Over 350 units at Starcrest, over 120 units at Villa Franche, over 40 Units at Millcreek Meadow.
Supported and administered the company PCs and software running Windows and DOS and custom accounting and property management software.
Wrote and updated accounting and property management software in BASIC/QBASIC that replaced the previous commercially purchased software.

**Annuity Services Support Representative
and OS/2 Assistant Systems Administrator**

February 1992 to September 1993
John Hancock Annuities & Life Insurance (via Matrix Marketing)
Salt Lake City, Utah
Hourly Employee

Provide inbound support to annuity and life insurance John Hancock Life Insurance & Annuities customers.
Assistant Administrator for OS/2 and LAN & WAN networks.

7-11

**Cashier/Clerk (all shifts, primarily graveyard)
January 1992 to January 1993
Salt Lake City, Utah**

Cashier & Clerk for 7-11. When all my photography equipment was stolen, I needed a means of earning income to rebuild my equipment, so worked double and triple shifts and mostly graveyards, so could build photography client base back up. Offered assistant management positions multiple times (turned down because of pursuing interests in other careers). Moved on to Villa Franche.

**Models' International & The Look
Staff Photographer & Darkroom Technician
March 1991 to January 1992**

Began as apprentice, became lead photographer in 2 months, Staff photographer within 3 months. Color & black & white shooting and hand processing (black and white) and enlargements. Trained apprentices as well.

**Hillcrest Care Center
Habilitation Therapist
348 E 8000 S
Sandy, UT, 84070
(801) 566-4191
1990**

Morning care for moderately functional special needs adults. Guide them in preparation for the day and being sent to various OT and PT programs.

Doxie Hatch Care Center
CNA (Nurse's Aide)
3300 S 600 E
Murray, UT
1990 to 1991

On call CNA for all floors including terminal patients. Attended LPN program as well.

Security guard, computer & network systems support technician
Salaried employee
March 1988 to february 1990
Brittainny Apartments
Murray City, Utah

Property security nightshift and on-call 24x7x365.
PC systems and network support

Surveyor, surface and underground mining construction crewman
Hourly employee (seasonal)
Summers 1979, 1983 to 1987
Lost Packer Mining Corporation
Idaho

Performed wide range of labor and skilled work including:

Surveyor (mill and mine sites), surface blasting, lumber jacking, heavy duty construction, welding, courier/driver, mechanic, dishwasher, heavy duty pneumatic tools operator, and groundskeeper.

Some occasional computer systems and software development work on IBM PC and Apple (Ile & Mac) systems.

1979 to 1994
Independent Software Developer (contract)
Various organizations and individuals
Utah

DESCRIPTION:

ROLES & RESPONSIBILITIES:

TECHNOLOGIES & METHODOLOGIES USED:

- ① <https://www.sans.org/security-resources/malwarefaq/pptp-vpn>
- ② <http://www.hawkenterprising.com/archives/hawkes-robinson-tech-resume-skills-inventory.pdf>
- ③ <http://www.hawkenterprising.com/archives/resumes/web/2016-2017-zombie-orpheus-entertainment>
- ④ www.dev2dev.com
- ⑤ www.hawkenterprising.com
- ⑥ www.spokane2600.org
- ⑦ www.rpgtherapeutics.com
- ⑧ www.rpgresearch.com
- ⑨ www.spokanemt.com
- ⑩ www.tolkienscholars.org
- ⑪ www.tolkienmoot.org
- ⑫ www.omzine.org
- ⑬ www.nbcpkgusa.com
- ⑭ www.interlinkadvantage.com
- ⑮ www.middle-earthtalk.com
- ⑯ www.middle-earthradio.com
- ⑰ <https://web.archive.org/web/20080310010158/http://www.trigeo.com>
- ⑱ www.onforce.com
- ⑲ www.kyrs.org
- ⑳ www.nekkidradio.com
- 21 www.techtalkhawke.com
- 22 www.infocousa.com
- 23 www.tolkienmoot.org
- 24 www.veridex.us
- 25 <https://web.archive.org/web/20050420053022/http://www.veridex.us/pn/>
- 26 <https://web.archive.org/web/20021128015622/http://www.colorificsigns.com/>
- 27 <https://web.archive.org/web/20031027022256/http://www.axxess.net/>
- 28 www.pfmortgages.com (defunct)
- 29 <https://web.archive.org/web/20040208080029/http://thecomputerschools.com/>
- 30 <https://web.archive.org/web/20030524063059/http://www.maladnet.net/>
- 31 <https://web.archive.org/web/20030326000548/http://www.oneidahospital.com/>
- 32 www.hesspumice.com
- 33 www.datc.edu
- 34 www.2600.com
- 35 www.malad.com/community/hesslumber.htm
- 36 <https://web.archive.org/web/20030611172938/http://creativearthonline.com/>
- 37 www.dvn.com
- 38 <https://web.archive.org/web/20010722202049/http://mightywords.com/>
- 39 www.franklincovey.com
- 40 <https://web.archive.org/web/20000707004914/http://www.isn.com/>
- 41 www.franklincovey.com