W.A. Hawke Robinson
AS/CS, SANS GIAC GCIH,
MCSE, MCP+I, CNA
http://www.hawkenterprising.com
hawke@hawkenterprising.com
Phone: (509) 481-5437
Last updated: 2012-06-14

Executive Summary

Extensive training and experience in leadership and hands-on technical work. This exceptional depth over a wide range of knowledge domains enables me to excel at understanding how all the pieces of an environment work most effectively together. *(Please note I have been semi-retired from computer science since 2003).*

Worked with computer technology systems since 1979. Began programming in 1981 at age 11. Initially interested in computer graphics and animation, but often created accounting and inventory software for small businesses (through family friends). Continued programming on and off over the years in many languages, as well as lead a number of development teams in all aspects of software design, development, implementation, and maintenance.

In the late 1980's worked in the various aspects of the automotive industry, wrapping that career up in the mid-1990's as a multiple-certified ASE (Automotive Service Excellence) automotive instructor for the American Automotive Institute.

Overlapping that time period, began working as a security guard for various apartment complexes, and later expanded into business properties and personal security services. Also security manager at a number of locations.

Also in parallel, worked as a professional photographer from 1991 through 1995, this helped develop visual and aesthetic skills.

In 1995 focused career on information technology and information security, building on previous experience. Quickly "rose through the ranks" from building custom PC's for a retail store, to Corporate Architect and eventually CIO and CTO. Later used the funds generated from those endeavors to build business ventures and work on various research and development projects, including VOW (Virtual Office and Workplace), rural WISP (wireless Internet service provider), educational facilities, and other technology ventures.

In 2003 reached a stage in life that I had the opportunity to "come home" and focus on raising my children. During the intervening years have continued to develop skills in information technology and information security, albeit at a less meteoric pace.

Worked as a volunteer, as a twice-weekly radio (and Internet simulcast) broadcaster from 2004 through Summer 2007. One show was music-focused "The Synthetic Zen Show", the other was a talk show focused on information technology and security known as "Tech Talk With Hawke".

Now very involved in the community and donating time as a volunteer to many endeavors, especially children and the disabled. Steadily developing the skills, experience, education, and certification for a robust background in Therapeutic Recreation (aka Recreation Therapy) and Music Therapy with a Research Psychology emphasis.

Involved with a number of entrepreneurial endeavors under way including Java and Python software development, and provide consulting services to select companies and individuals. Occasional guest speaker on various topics ranging from Information technology, information security, and best practices for implementation of open source, Linux, and content management systems.

Diversified

Adept at integrating and managing diverse environments, researching to make the most of each of their strengths, and mitigating their weaknesses. Very successful at "wearing many hats" as needed. Very apt at either learning the ins and outs of unknown or new technologies very quickly, or finding the right talented resources and comprehending how to best use those tools to best meet the business needs. This innate ability and diverse background has developed me into an excellent candidate for any management, executive or consulting opportunities that arise while being very competent with any hands-on, design, or project lead work as well.

Skilled at all levels of ability from low-level detailed technical issues such as network, hardware, servers, server software, applications, application design, software development, databases and data, security, user experience, Internet nuances, and e-commerce, to high-level or direct managerial issues such as vendor relations and contracts, staffing issues, financial issues, marketing, departmental interactions, business models, project plans, process implementation, legal considerations, and project. Ideal for any size project or environment, from sole-proprietor businesses to Fortune-listed enterprises or anything in between.

Lead teams from 1 to 20+ people directly. I have coordinated personell and resources in multiple locations, including other states, countries, and timezones, including India and the United Kingdom. I have learned to work with various cultural differences and challenges to get the most efficient interaction and productivity from globally disbursed team units. I have been responsible for multi-million dollar budgets, and direct signatory in some positions.

Adept at being the communications bridge between technical and non-technical staff, including network administrators, security staff, government and law enforcement agents, software developers, webmasters, graphics artists, vendors & contractors, business managers, project managers, legal, marketing, accounting, and executive staff.

Convergent Thinker

Can take the defined parameters of a stated goal or problem and synthesize the information with knowledge to achieve an implementable solution. If there is a "fire" large or small to be resolved, companies and individuals have come to me to solve them. I am an exceptional troubleshooter, security specialist, and systems auditor.

Believe in avoiding needlessly "reinventing the wheel" whenever possible. Using existing technologies or partnerships that are as close a fit as possible to meeting

business requirements, and modifying the remaining differences as needed. I have proved time and again that when needed, Can build and create from the ground up any new technologies when there is not yet an existing technology to meet a specific business need.

Accountability
Believe strongly in, and emphasize creating and complying with documented processes and methodologies to determine project scope, as well as remain within project scope and timeline without getting bogged down in "analysis paralysis". Create new, or work with existing, project development plans, timely deliverables, budget creation and compliance.

EMPLOYMENT SUMMARY

President RPG Therapeutics LLC www.rpgtherapeutics.com
Founder – RPG Research (2006+) www.rpgresearch.com
Founder – Spokane Music Therapy.com (2011+) www.spokanemt.com
Founder - Inland Empire Tolkien Society (2008+) www.tolkienscholars.org
Founder, Organizer – Tolkien Moot / MerpCon conventions (2005+) www.tolkienmoot.org
Founder, Editor, Publisher – Other Minds Magazine (2007+) www.omzine.org
Founder & Host – Middle-earth Talk Show (2008+) www.middle-earthtalk.com
Founder – Middle-earth Radio (2006+) www.middle-earthradio.com
Consultant (Technology and Security) various regular and NDA clients, (1979-2015) www.hawkenterprising.com
Network & Systems Engineer – Interlink Advantage (2010-2012) www.interlinkadvantage.com
Sales Engineer (Information Security) – TriGeo Networks Inc (2008) www.trigeo.com
Consultant, Mac OS X & Server – Clemens Mechanical (2007)
Consultant, Security Auditor – Steelhead Specialty Minerals (2007)
Advisor, Admin, Developer, Webmaster – KYRS FM Radio (2004-2007) www.kyrs.org
Technology Talk Show Host – KYRS FM Radio (2006-2007)
Admin, Developer, Webmaster – MerpCon convention (2005-2009) www.merpcon.com
Admin, Developer, DBA – Alpentech Inc. (1996-2008) www.alpentech.net
Admin, Developer, DBA – Colorificsigns Inc. (2000-2005) www.colorificsigns.com
President, CIO/CTO – MaladNet d.b.a. ….
Consultant - Security, Systems, & Network – Axxess.net (2003) www.axxess.net
Consultant – Veridex (2003) www.veridex.us
Consultant – Hess Lumber (2002-2003) http://www.malad.com/community/hesslumber.htm
Consultant – Hess Pumice (2003) www.hesspumice.com
Systems Auditor & Analyst – Devon Energy Corp (2002) www.dvn.com
Administrator, Developer, DBA – Malad Football (2002)www.maladfootball.com
Technical Instructor – The Computer Schools (2002-2003) www.thecomputerschools.com
Instructor & guest Speaker (2003) – Davis Applied Technical College
Admin, Developer, DBA - Platinum Financial(2002) www.pfmortgages.com
Systems Support Technician - Valley Insurance (2002)
Admin, Developer, DBA – Creative Earth (2002) www.creativearthonline.com
Chief Technology & Security Officer – MightyWords Inc. (2000-2002)
Systems Architect and Analyst – Franklin Covey Online Learning Division (2000)
Technical Analyst – Internet Shopping Network (2000) www.isn.com
Systems & Data Architect – Internet Shopping Network (2000)

Corporate Systems & Components Architect – Franklin Covey (2000)
Director of Operations for Corporate e-commerce – Franklin Covey (2000)
Head Systems Admin for Corporate e-commerce – Franklin Covey (1999)
Systems, InfoSec & Applications Admin for Corporate e-commerce – FC (1999)
Network, Systems, Websites and Security Admin & Dev – ITI (1999) www.itiweb.com
Client Solutions Implementation & Admin & Java Dev – ITI (1998) www.itiweb.com
CIO and Head of Technical Operations & Developer– PC Easy (1998)
Network and Systems Administrator – Comspec Corporation (1997)
Junior Developer, Java & Visual Basic – SoftDocs Inc. (1997)
Head Systems & Networks Technician & java Developer – PC Easy (1996 – 1997)
Netware, Wang, and WFWG Systems and Network Administrator – UCC (1996)
Assistant Network Administrator – Teltrust (1995-96)
Security Manager and Systems Administrator – Laurelwood (1993-95)
Security Manager and Systems Administrator – Villa Franche (1992-93)
Security and computer systems support – Brittainny Apartments (1988-90)
Surveyor, mining, & construction crewman – Lost Packer Mining Co. (1979, 1983-87)

PUBLICATIONS, EVENTS, EDUCATION, TRAINING, & CERTIFICATION

Education, Certification & Certification Training
AS in CS - Associates Degree in Computer Science (GPA 4.0)
SANS GCIH – Security & Incident Handling Certification from SANS Institute
My thesis on virtual private networking technologies and Microsoft's
VPN vulnerabilities
is published in MS Word format online at the SANS/GIAC
Institute at:
www.giac.org/practical/Hawke_Robinson_GCIH.zip
MCSE - Microsoft Certified Systems Engineer
MCP+I – Microsoft Certified Professional + Internet
CNA - Certified Netware Administrator
ASE - Automotive Service Excellence Certified in Computer & Electrical
Systems
PT5STCMAT – Precision Tune Five Star Certified Master Auto Technician
(specialties in automotive computers, engine performance & electrical
systems)
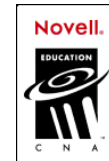
Advanced certification training and real world experience related to the following
certifications:

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

Additional 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) **BROADVISION** 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

Languages (& Cultures) Training

English (primary language).
American Sign Language Summer 2006 and 2007 (Eastern Washington University).
Spanish: 1983-1986 (through school).
Russian: 1986-1987 (through school),1994-1995 (through private instructor).
Japanese: 1989-1991 (private instructor).
Chinese – Cantonese & Mandarin 1991-1993 (private instructors). East Asian History course through Eastern Washington University – 2004.
Kung Fu & Aikido training on and off since 1974, and continuing.
Finnish – 1994 (self instruction - tapes & books).

Leadership, Management and Miscellaneous Training

Landmark Education Forum and Forum in Action Seminar Series (1994 and 2007).
Eastern Washington University Therapeutic Recreation program 2004-2007.
Eastern Washington University Music program 2004-2007.
Franklin Covey - Project Management (extends "What Matters Most" & "Seven Habits")1999-2000).
CCI Computer Science program.
SLCC Graphics Design & Photography 1991-1992.
SLCC Automotive Technician Program 1988-1989.
IEEE – Institute of Electrical & Electronics Engineers
PMI – Project Management International

<u>REFERENCES</u>

Excellent references provided upon request.

Accomplishments
- Personally hand built over 10,000 systems
- Supervised teams of technicians building more than 50,000 systems
- Managed budget of over $10,000,000 USD annually.
- Directly supervised up to 20 employees.
- Supervised through hierarchy up to 50 employees
- Corporate Systems & Components Architect for environment with 4,000+ nodes

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...

Network & Systems Engineer – Interlink Advantage (2010-2012)
www.interlinkadvantage.com

Details pending....

NDA (Non-Disclosure Agreement) and non-NDA clients not listed elsewhere 2002-2010
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.

Recently (2004-2005) used technologies for these clients included:

Linux (Redhat Enterprise, Suse, Gentoo), OpenBSd 3.x, Mac OSX

Solaris 7/8/9/10, Windows 3x/Wfwg/NT/2000/XP/CE/PPC, Web servers (Apache 1x & 2x, Tux), Community/portal servers (geeklog, phpnuke, postnuke), Application Servers (Zope & Redhat Interchange eCommerce), Database Servers (Oracle 8x/9x, MySQL, PostGreSQL), Java 2, PHP, Perl, C, Python, Netbeans / Forte, rsync, ntpd, sshd, vsftpd, snmpd, daemontools, bind / dns, smtp & pop3, qmail, postfix, qmailadmin, ezmlm/ezmlm-idx, vpopmail, vqadmin, spamassassin, qmail-scanner, rbls and many various uce /spam 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), iptables & pf, Wells Fargo Merchant Services, Verisign merchant services, Pfpro (Payflow Pro),Open Office, Nmap, nessus, snort, airsnort, kismet, netstumbler, ethereal, etherape, tripwire, and scores of other InfoSec tools.

Kung fu For Life
Assistant Instructor
Webmaster
Systems/network Administrator
www.spokanekungfu.com
2004 to 2009

Spokane JUG (Java User Group)
Founder, Administrator
January 2008 to 2011
www.spokanejug.com

Spokane 2600
Founder, Webmaster
September 2007 to 2011

Spokane ASL (American Sign Language)
Founder, Webmaster,
www.spokaneasl.com
2006 to 2012

Spokane Chinese
Founder, Webmaster
www.spokanechinese.com
September 2007 to 2009

Other Minds Magazine
Founder, Publisher, Co-editor
2006 to current
www.othermindsmagazine.com
November 2006 to 2011

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.

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.

TriGeo Networks Inc.
Sales Engineer
Post Falls, ID, US
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.

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.

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.

Technology Consultant, Systems & Network Administrator, Webmaster
2004-2007
KYRS Thin Air Radio
35 W. Main St. Suite 340E
Spokane, WA, 99201
Lupito Flores
www.kyrs.org

Volunteer technology consultant and administrator for network, systems, website and email. Internet streaming provider as well. Windows XP, Mac OSX, FreeBSD 4.x, and Suse Linux. Geeklog, Zope & Plone web/application servers, Qmail, Ezmlm, Squirrelmail.

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.colorsignsandgraphics.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.

NEKKID Radio Internet Radio
Technology Consultant
March 2004 - September 2004
www.nekkidradio.com
Santiago, Chile and multinational (remote access)
　　　　Provided consultation services, audits, hosting solutions and implementations for NR's interactive Internet Broadcasting services.
　　　　Technologies used included:
　　　　　　Real Broadcaster, Winamp SimpleCaster, SAM2 Broadcaster, Apache 1x & 2x, MySQL, Phpnuke, Zope

Security, Systems, Wireless & Wired Network Consulting
Dev 2 Dev Portal LLC Client
August 2003 – January 2004
Axxess.net 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.

Instructor and Guest Speaker
Davis Applied Technology College
September 2003
http://www.batc.tec.ut.us/
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.

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.

MaladNet Wireless Broadband and Internet Services
Dev 2 Dev Portal LLC Business Division
July 2002 – September 2003
Malad, Idaho

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 nearly 100 users at peak with reliable high speed access.

Technologies used included:
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, 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.
Completely self supported solar powered 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).

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 practicies.

IPSec VPNs and hardware/vendor VPNs (Cisco).

Cisco 3x0 and 1x00 Aps and Bridges.

Various IDS technologies (not disclosed)

Technology Consultant & Internet Service Provider
Oneida County Hospital
2003.
150 N. 200 W.
Malad City, Idaho, 83252
http://www.oneidacountyhospital.com/

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

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 & Support Technician
Dev 2 Dev Portal LLC Client
April 2002 to March 2003
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.

Technology Consultant & Internet Service Provider
Oneida County Hospital
2003.
150 N. 200 W.
Malad City, Idaho, 83252
http://www.oneidacountyhospital.com/
Provided broadband wireless services to help improve implementation of their imaging systems link with other hospitals and facilities. Help as consultant in conjunction with their systems administrator to rectify internal LAN/WAN issues beyond the scope of the hospitals administrator skills.

Auditor/Analyst
Dev 2 Dev Portal LLC Client
August 2002 to December 2002
Devon Energy Corporation
Oklahoma, Texas, Wyoming, & Canada
Supervisor: Stephen Taylor (Now At Chesapeake Energy)
www.dvn.com

Devon Energy is a very large multinational 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
* LDAPIPlanet 5x

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.

Administrator/Developer/DBA
Dev 2 Dev Portal LLC Client
April 2002 to August 2002
Creative Earth LLC
www.creativearthonline.com/ (new site launch pending)
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 templated version of site lanched June 2002. Current version is very poor 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.

CTO - Chief Technical Officer/CSO - Chief Security Officer
Salaried Employee
September 2000 – February 2002
MightyWords Inc.
(A division "spin-off" from Fatbrain, a subsidiary of Barnes & Noble)
Santa Clara, California
www.mightywords.com
       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.

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 synchronization services.

Senior Principle
Technology Solutions Corporation
July 2000
Salt Lake City, Utah
Chicago, IL
Atlanta, GA
San Francisco, CA

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

FranklinCovey

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/
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.

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.itiweb.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.

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
Utah Career College (previously Bryman Schools Technical College)
The American Automotive Institute
Salt Lake City, Utah.
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 (IIe & Mac) systems.

Skills Inventory List

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
ADS – Active Directory	9	2011		
AS/400	2	2003		
ASP .NET	2	2011		
Adobe Acrobat	>10	2012		
Adobe Photoshop	>10	2011		
AIX	1	1997		
Amiga OS	>10	2012		
Apache	>10	2012		
Apple	>20	2012		OS-X and Server
Audacious	3	2009		
BeOS	2	2000		
Broadvision	3	2001	Advanced Training from BroadVision Inc.	BroadVision performance tuning, architecture, design, development and administration 2.x, 3.x, 4.x, & 5.x,
Brio	1	2002		
C	7	2005	CCI training 1998	
C++	3	2001	CCI training 1998	
C#	0.5	2007		
CAD	1	2002		
Caldera Linux	3	2000		
CGI	>10	2008		
CNA (Certified Netware Administrator)	certification	1998	HotLabs Linux for Netware/Novell Training 2000	Netware, Intranetware, BIND, eDirectory, Groupwise, etc.

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
COBOL	3	2000	CCI training in 1998	
CRM	3	2001		
CSS	5	2012		
CVS	4	2011		
Checkpoint	1	2000		
Cisco	6	2009		
Citrix	2	1998	Citrix training while at Comspec 1998	
ColdFusion	2	2001		
Content Management Systems	>10	2012		
ClearCase	2	2002		
ClearQuest	2	2002		
Crystal Reports	3	2002		
DB2	1	1999		
DBA	>10	2011		Various (Oracle, MySQL, MS SQL, Informix, SyBase, DB2, Postgresql)
DHCP	>10	2012		
DHTML	4	2008		
DNS	>10	2012		
DOS	>20	2012		
Data Analysis	>10	2012		
Data Modeling	>10	2011		
Database Design	>10	2011		
Database Management	>10	2011		
Delphi	2	1996		
Disaster Recovery	>10	2012	GIAC GCIH	
Documentum	2	1998		
Dreamweaver	2	2000		
Essbase	1	2002		
MS Exchange Server	6	2003		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
e-commerce	>15	2011		
FORTRAN	1	1996		
FileMaker	3	2007		
FileNet	2	1999		
Firewall	>10	2012		
Fireworks	2	1999		
Flash	4	2002		
FoxPro	1	1998		
FrontPage	3	2000		
GCIH (SANS Institute GIAC Certified Incident Handler)	certification	2002	Sans Institute.	
Ghost	3	2005		
GIMP	>10	2012		
Graphic Design	>10	2012		
HP-UX	2	2000		
HTML	>15	2012		
IDS	>10	2011		
IIS	>10	2011		
Illustrator	3	2002		
Information Management	>10	2006		
Information Security	>15	2012	Sans Institute GCIH	
Informix	1	1997		
InstallShield	2	1999		
Intrusion	>10	2007		
J2EE	2	2002	Java Training through ITI 1999	
JDBC	3	2002		
JSP	2	2002		
Java	7	2012	Java Training through ITI 1999	
JavaScript	5	2006		
LAN	>20	2012		
LDAP	6	2007		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
Linux	>15	2012		
Lotus Notes	2	2005		
McCabe QA, IQ, Test, Java Parser	3	2003	Advanced training from McCabe, 2000	
MCP	certification	1998	certification	
MCP+Internet	certification	1999	certification	
MCSE	certification	1999	certification	
Mac	>15	2012		
Mac OS	>20	2007		
Mac OS X	>15	2012		
Mac OS X Server	3	2008		
Mainframe	1	1995	Apprenticed through owner of G.T. Inc. Utah. 1995	McDonnel Douglas & Hewlett Packard
Microsoft Access	>10	2006		
Microsoft Excel	>10	2009		
Microsoft Exchange	6	2003		
Microsoft Office	>15	2012		
Microsoft Outlook	>10	2007		
Microsoft PowerPoint	>10	2011		
Microsoft Project	9	2011		
Microsoft Visio	>12	2011		
Microsoft Windows	>20	2012		
Microsoft Word	>15	2012		
Multimedia	>20	2012		
MySQL	>10	2012		
.NET	3	2011		
Network Design	>15	2012		
Network Engineer	>15	2012		
Network Management	>10	2012		
Network Security	>10	2012	Sans Institute GCIH	
Networking	>20	2012		
Novell	>10	2009	CNA 1998, Novell Linux	

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
			2000.	
OOAD	>10	2011		
OOP	>15	2012		
OS/2	5	2000		
OpenGL	4	2009		
Oracle	>7	2005	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
Oracle Applications	2	2002	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
Oracle Database	>7	2005	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
Oracle Financials	1	2001	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
Oracle Forms	1	2001	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
Oracle Reports	3	2003	Oracle DBO/DBA training through Oracle while at Franklin Covey 1999	
PHP	3	2006		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
PL/SQL	5	2003		
Perl	5	2007		
Photoshop	>10	2006		
Plone (Zope)	8	2012		
PostgreSQL	5	2008		
Project Management	>10	2009	Franklin Covey PM training 1999, Project Management Institute 2000	
Postfix	9	2012		
Publisher (MS)	5	2002		
Python	3	2012		
Qmail	>15	2012		
Quality Control	3	2003		
RDBMS	>10	2009		
Rational Clearcase	2	2002	Rational training while at Franklin Covey	
Rational Rose	3	2002	Rational training while at Franklin Covey	
RedHat Interchange, MiniVend, Vend	>10	2012		
RedHat Linux	>15	2012		
RedHat Enterprise Linux	6	2009		
Research (& Development)	>10	2009		
REXX (AREXX)	3	1995		
Risk Management	>10	2012	Sans Institute GCIH	
Ruby	<1	2007		
SAN / NAS (Storage Area Network / Network Attached Storage)	>5	2009		
SMS	3	2003		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
SMTP	>15	2012		
SNMP	7	2005		
SQL	>15	2012		
SQL Server (Sybase)	2	1999		
SQL Server (MS)	>9	2009		
Servlets	3	2004		
Shell (csh, bash, z, k, etc.)	>15	2012		
SilverStream Application Server	3	2001	Advanced Training through Silverstream while at ITI. 1999.	SilverStream development and administration 1.x, 2x, 3x
Software Development	>20	2012	CCI, McCabe, Novell, FC, Rational, Oracle, Sun, Microsoft various software development and QA training 1996 through 2001	
Software Testing (formal processes)	>15	2012	CCI, McCabe, Novell, FC, Rational, Oracle, Sun, Microsoft various software development and QA training 1996 through 2001	
Sun Solaris	>10	2007	Sun Solaris 7 Admin Certification Part I 2003	
Suse Linux	>15	2012		
Sybase	2	1999		
Systems Administration	>20	2009		
Systems Analysis	>15	2012		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
Systems Engineering	>15	2012		
Systems Integration	>20	2012		
T-SQL	7	2009		
TCP/IP v4	>15	2012	Novell Hotlabs TCP/IP Troubleshooting with Protocol Analysis, 2000	
TCP/IP v6	1	2008		
Tcl	2	2002		
Technical Support	>30	2009		
Techincal Writer	>10	2009		
Toad	4	2003		
Tomcat	4	2004		
Training / Instructor	>15	2007	Utah State Instructor Certification Training Program 1995	
Ubuntu Linux	7	2012		Kubuntu and other variants too.
UML	4	2010		
UNIX	>10	2009		
VA Linux	4	2004		
VERITAS	1	2001	Veritas training 2001	
VMS	1	2000		
VM - Virtual Machine technologies	>15	2012		Wmware, VirtualBox, Xen, etc.
VoIP	6	2006		
VPN	>10	2008		
Visual Basic	4	2000		
Visual C++	2	2001		
Visual Studio	3	2002		
WAN	>10	2009		
Web Design	>15	2012		
Web Development	>15	2012		
WebLogic	2	2001		

Skill	Years Used	Year Last Used	Advanced Training or Certification	Notes / Logo
Windows 2000	8	2007		
Windows 2000 Server	9	2010		
Windows 2000 Advanced Server	3	2005		
Windows 2003 Server	5	2010		
Windows 9x/Me	>10	2007		
Windows NT	>10	2005		
Windows Vista	6	2012		
Windows XP	>10	2012		
Wireless	>10	2012		Wifi, Satellite, DSSS spread spectrum, 802.11x, 900 Mhz, 2.4 Ghz, 5 Ghz, etc.
XML	3	2009		
XSL	1	2007		
XSLT	1	2007		
Zope	>10	2012		