

**W.A. Hawke Robinson**  
[hawkenterprising@gmail.com](mailto:hawkenterprising@gmail.com)

(509) 481-5437

### **Overview**

I have been working with computers and information technology since 1979, security since 1989 and Information Security since 1996. I have administered UNIX and UNIX-like platforms since 1994 in a wide range of production environments ranging from internal services, to external (Internet-based) services including e-commerce, high-transaction, and high-availability implementations. I also have a very strong background in Information Security at all levels as well.

### **Experience & Skills**

#### **Operating Systems:**

- ◆ SunOS / Solaris / Trusted Solaris (since 1997 to current) Versions 5.x / 2.5x through 10.
- ◆ Linux (1994 to current), many distributions in a variety of production environment types.
- ◆ Other UNIX variants:
  - HP-UX (1997 – 2000 (10.2x – 11.1x))
  - AIX (1997 – 2000 (4.2x – 4.3x))
  - IRIX (1999 – 2000 (6.5x))
  - VMS on VAX and Alpha (1999-2000 (6.x & 7.x))
- ◆ Other BSD variants:
  - OpenBSD since 1997 (2.2) to current (4.2)
  - NetBSD 1997-2000 (1.2x – 1.4x)
  - FreeBSD 1996-2007 (2.1.x – 6.x))
- ◆ Windows (all versions) (since 1986)
- ◆ Mac OS (all versions including server since 1985, Apple since 1979)
- ◆ Miscellaneous: Netware, WANG, Amiga OS, OS/2, OS/400, McDonnell-Douglas & others.

#### **Servers:**

- VCS (Veritas Cluster Server) 2000 - 2002
- Web Servers: Apache, IIS, Netscape Enterprise, Solstice Suite & iPlanet
- application (Web) Servers: Coldfusion, Websphere, Broadvision, Silverstream, Jserv, Tomcat and Jakarta-related (Java-based) projects.
- CMS (Content Management System) Servers: Zope & Plone (Python-based), PHPnuke, Postnuke, Geeklog and many other PHP-based.
- Redhat Interchange e-commerce (Perl-based)
- Wells Fargo Merchant Services & Verisign merchant services
- Novell eDirectory
- MS Project Central Server

#### **Databases:**

- Oracle Server (1996 – 2003 (7.x – 10.x))
- MS SQL (1996 – 2006 (6.x – 8.x))
- MySQL
- PostgreSQL
- Sybase Adaptive / SQL Server / SQL AnyWhere (1998 – 1999 (11.x – 12.x))
- SQL (since 1996 to current), T-SQL (1996 - 2006), PL-SQL (1998 - 2003)

#### **Software Development:**

*Currently used software development skills:*

- Java (since 1995), most frequently used.
- Python, used intermittently.
- PHP, used intermittently.
- Perl, used intermittently.
- C, used intermittently.

**Email:** SmtP & pop3, qmail, sendmail, postfix, qmailadmin, ezmlm/ezmlm-idx, vpopmail, vqadmin, spamassassin, qmail-scanner, magic-mail, squirrelmail, horde, rbls and many various uce / spam reduction measures.

**Networking & Other Servers and Services:** Rsync, ntpd, ssh, ftp, snmp, bind / DNS, imap, smtp, pop3, ssl & tls, ldap, iplanet-ldap, RADIUS, LEAP, 802.1x, MAC and IP acl's, NAT, routing, bridging, firewalls, ipf, pf, iptables, ipchains, variety of wireless and satellite, VoIP, IRC Servers & Services, mrtg, Nagios, TOR, bittorrent, VPN (pptp, ipsec, ssl-tunnels, ssh-tunnels, various proprietary VPNs) Veritas, Cybersource, Exchange 2000 (Exchange/Outlook, IMAP, POP, SMTP), MS ADS (Active Directory), smb/samba and cifs, cups, lp, shell scripting, VMware, VNC, TCP/IP, tcp & udp, IPX/SPX, NetBEUI, Banyan-VINES, Arcnet.

#### **Information Security:**

- Security Audits
- Incident Handling and counter measures
- IDS (Intrusion Detection)
- Red Team (penetration testing)

**Hardware:** A vast array, but some key products include Sun e220r, A1000, D1000. E450, Ultra 10, e4x00/5x00's, e420's, Netscreen, various HP platforms, VA Linux systems, Cisco Catalyst 19xx series, Dell 1400 series servers,, x86 multi cpu systems (for Linux and windows), F5 BigIP + SSL, Cabletron SSR2000, SSR8000, Nokia 650 VPN/Firewall, and many other components.

### ***Education, Certification & Advanced Training***

- AS in CS - Associates Degree in Computer Science (GPA 4.0)
- MCP+I – Microsoft Certified Professional plus Internet
- MCSE – Microsoft Certified Systems Engineer
- CNA – Certified Netware Administrator
- SANS GCIH – Security & Incident Handling Certification from SANS Institute
- Thesis practicum on virtual private networking technologies and Microsoft's VPN vulnerabilities at the SANSInstitute: [www.giac.org/practical/Hawke\\_Robinson\\_GCIH.zip](http://www.giac.org/practical/Hawke_Robinson_GCIH.zip)

### ***Miscellaneous Training***

- Franklin Covey - Project Management (extends "What Matters Most" & "Seven Habits") 1999-2000.
- CCI Computer Science program.
- SLCC Graphics Design & Photography 1991-1992.
- CNA (Certified Nursing Assistant) – Doxie Hatch medical center, SLC, UT, 1990.
- SLCC Automotive Technician Program 1988-1989.

### ***Languages, Cultural & Related Training***

- English (primary language) – Fluent.
- American Sign Language – Conversational.
- Other languages with basic/familiarity: Spanish, Russian, Japanese, Mandarin, Finnish.

### ***Employment Summary***

- **Technology Consultant – 2002 to 2007** – Dev 2 Dev Portal LLC – [www.dev2devportal.com](http://www.dev2devportal.com)  
Many services and technologies for many clients. See details in lengthy resume at <http://www.hawkenterprising.com/resumes/> Windows, Solaris, Linux, Oracle, MS SQL Server, Internet, e-commerce, Information Security, and many other services.
- **Administrator & Consultant – 2004 to 2007** - KYRS FM Radio – [www.kyrs.org](http://www.kyrs.org) - Administrator of network, systems (Windows XP & Mac OSX and Suse Linux 9.x - 10.x), and website. Consultant on all areas of technology planning, implementation, support, and training.
- **Systems Auditor (performance & security) - 2002** - Devon Energy Corp. - [www.dvn.com](http://www.dvn.com)  
Systems performance and security auditor for entire corporate server infrastructure (more than 10,000 users and several hundred servers). Audited Windows & Solaris servers, SQL & Oracle Databases, and various other products and services.
- **Chief Technology & Security Officer - 2000 to 2002** - MightWords Inc. – Built entire company infrastructure from ground up. Initially with my own hands, while simultaneously interviewing and hiring, and building the entire technology infrastructure spanning multiple countries. Lead software and infrastructure creation for revolutionary DRM (Digital Right Management) system. Worked in depth with partners such as Adobe, Microsoft, Barnes & Noble and Amazon in technology and business development. Used a number of off shore (India & UK) services as well as local talent.
- **Corporate Architect (4,000+ nodes) - 1999 - 2000** – Franklin Covey Corp. – [www.franklincovey.com](http://www.franklincovey.com)  
Started as UNIX administrator, quickly promoted to Directory of Operations, then eventually to Corporate Systems & Components Architect for the entire company. Worked with both internal and Internet (99.999% uptime requirements achieved) infrastructure ranging across Windows, Linux, & Solaris systems. Worked with vendors world wide.
- **Network Mgr & Java Dev - 1998 to 1999** – Information Technology International – [www.itweb.com](http://www.itweb.com)
- **Chief Information Officer - 1996-1998** - PC Easy – <http://web.archive.org/web/19961221070256/http://pc-easy.com/> Started as junior PC Technician. Over the years, built, trained and supervised, the building of thousands of custom order PCs by hand. Promoted to Head Technician in 2 months. Later become CIO. Hired and managed 12+ technicians. Developed software in Visual BASIC, Visual C++, Java and other languages. Providing networking and Internet services to clients.
- **Network & Systems Manager and Software Developer - 1997 to 1998** - Comspec Corporation
- **Administrator & Instructor - 1996** - Utah Career College – WANG & WFWG 3.x Admin.
- **Assistant Administrator & Operator – 1995 to 1996** – Teltrust – Netware & 3com networks admin.
- **Security Manager, Maintenance Manager, Systems Admin, Software Dev. - 1998 to 1996** - Various Property Management Companies - Started as Security guard at Brittainy Apartments (80+ units). Then become Security manager (2-4 other security guards) for Villa Franche & Millcreek Meadows Apartments (as well as Maintenance Manager - 150+ units), and Starcrest apartments (300+ units) and Laurelwood apartments and office complex (100k+ sq ft' office complex, plus 90+ apartment units). Developed software for accounting, inventory, tenant reporting system in BASIC/QBASIC and later Visual BASIC. Administrator for various PC-based systems with diverse PC operating systems (DOS, Windows, OS/2).
- **Software Developer - 1979 to 1987** - Various Clients – BASIC (various), Pascal, C

**Excellent references and salary history provided upon request once mutual interest established.**

**Much more detailed, and industry/position specific, resumes available online at:**

<http://www.hawkenterprising.com/resumes/>