

**Richard Powell**  
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- SUMMARY:** 22 years technical experience, 12 years in leadership and management roles with a strong background in Systems Security, Programming, Cryptography, Networking, Systems Administration, Web Development, Automation, and Electronic Data Interchange (EDI).
- GOAL:** To work part time in a systems/network security or administrator position in a forward-looking company, where my skills and experience will be valued.
- HARDWARE:** Intel Pentium, ReadyNAS, Cisco 27xx,37xx, Switches (DLink, Cisco, Lucent, Extreme), DEC Alpha 3000/8800/2100/4100, VAX 6650/7740/8530/8250, Sun Sparc, Macintosh, DEC Hubs, HSJ/HSZ/HSC Disk controllers, CI, Storage Tek SILO
- PROTOCOLS/  
ALGORITHMS:** TCP/IP, UDP, IPX, SNA, DECNet, SMTP, POP, LDAP, IPSec, SSL, SSH, PPP, FTP, X/ZModem, Telnet, SLIP, HTTP/S, DNS, CGI, EDI X12, AES, RSA, Diffie/Hellman, DES, Blowfish, IDEA, PPP over Ethernet
- OS:** Linux, Unix, VMS, Windows XP/2000/NT/9x/3.x, Mac OS, DOS, Cisco IOS
- APPLICATIONS/  
SOFTWARE:** mysql, PostgreSQL, Apache, WordPress, Joomla, CPanel, Ensim, Plesk phpBB, Sendmail, Snort, Tcpdump, Tripwire, Openssl, **Microsoft:** Outlook / Exchange Server / Active Directory / Internet Information Server / Proxy Server / SQL Server 6.5 / Index Server / Office / Visual Studio, PGP, Crystal Reports, Oracle RDB 7.0, Diskeeper, SYSGEN, Multinet, UCX, Pathworks, DECEDI, SLS, DCSC, ALLIN1, 2020
- LANGUAGES/  
SCRIPTING:** PHP, CSS, HTML, Javascript, Java, VB Script, C, C++, Active Server Pages (ASP), Assembly Language (Intel), VAX-FORTRAN, VAX-COBOL, VAX-Basic, Postscript, SQL, GW-Basic, Jovial, Datatrieve, DCL, DOS, ksh
- TRAINING:** Digital Unix Systems Administrators course, Digital Unix TCP/IP course, Microsoft Windows NT Server and Workstation 4.0, Digital Performance Management, DECEDI introduction and advanced mapping, SLS, DCSC, UNIX based library control system
- WORK HISTORY:**
- Sr. Systems/Network Administrator (Consultant)***, Standard TV and Appliance 12/26/2006 to Present (<http://www.standardtvandappliance.com>)
- Design, Recommend, Install, Administer various technologies to meet electronic information needs
  - Designed, Implemented, and Maintain VoIP/PRI phone system. Mitel (Formerly Inter-tel) hardware
  - Migrated T1 loop to more cost effective VPN Internet strategy using SonicWall firewalls
  - Maintain Windows servers and client desktops in Active Directory environment
  - Programmed and Maintain LAMP Intranet website with various ties into corporate GERS/Escalate Enterprise Resource Planning (ERP) system. Using Oracle SQL commands.
  - Programmed web based daily delivery and support routes using both Yahoo maps and google maps for easier scheduling and oversight of deliveries. Saved company thousands of dollars per year by automating these processes.
  - Scripted Electronic Service Orders (ESO) using open office spreadsheet (scalc) and basic. Multi-step program that extracts daily calls from GERS/Escalate, then imports tech comments and status back into the ERP system.

**Owner**, Host Pond LLC 7/24/2008 to Present (<http://www.hostpond.com/>)

- Designed / Implemented fault tolerant services using ReadyNAS network storage and vmware ESXi
- Developed photo gallery slide show (<http://www.galleryobjects.com/>) for WordPress
- CPANEL installs and configurations
- All aspects of customer support, including troubleshooting problems with various 3rd party opensource programs.
- Worked extensively with WordPress and many popular plugins
- Constantly analyzing and developing new strategies to keep hackers and spammers off the network
- Administrate barracuda spam filter for hundreds of websites
- Basic graphic work for websites. Photoshop cropping, layers, paths, etc...

**Chief Security Officer (Consultant)**, PaySentinel LLC 2/15/2004 to Present (<http://www.paysentinel.com/>)

- Responsible for ensuring PCI DSS compliance. Including network penetration testing and quarterly scans.
- Design, Recommend, Install, Administer various technologies to meet electronic information needs
- Responsible for testing gateway for common vulnerabilities such buffer overflows, cross-site scripting. OWASP is used a guide in this review and testing process.

**Sr. Systems/Network Administrator**, OP River Technologies 10/2002 to 07/2008 (<http://www.opriver.com>)

- Design and implement corporate network infrastructure
- Supervise and manage all technical departments, including product development, and disaster recovery
- Systems installations, upgrades and management (Linux, Windows, Cisco, Summit)
- Design and develop custom automation scripts, as well as web based client control panels
- In charge of all aspects of system and network security (Chief Security Officer)
- Negotiate and maintain all contracts pertinent to technical business operations
- Review, specify, recommend, and purchase hardware and software products pertinent to business operations

**Chief Technology Officer (CTO)**, R.G. Tecq Inc. 3/2000 to 10/2002 (<http://www.rgtecq.com>)

- Oversee all aspects of product development.
- Review, specify, recommend, and purchase hardware and software products pertinent to current and future projects
- Successfully hacked into multiple corporate networks in order to demonstrate security weaknesses to potential and existing clients
- Actively participate in code development for the Mega Music Player, the Authotecq (<http://www.authotecq.com>) financial transaction system, and the IQ Secure (<http://www.iqsecure.com>) Network Information protection devices. All projects involved encryption using DES, RSA and the proprietary DogCryption algorithm
- Trained employees in the following areas: Networking protocols (IP/UDP/etc), Programming in C/C++/Basic, Linux Operating System, CGI programming, Systems Management

**Technical Manager**, USC/Norris Cancer Hospital 2/99 to 2/2000 ([www.uscnorris.com](http://www.uscnorris.com))

- Supervise: PC support specialist and trainee
- Coordinate Year 2000 readiness plan for entire site
- Intranet/Web: Develop and implement on-line reports, corporate telephone directory, and training materials
- Conduct basic PC and corporate email training for company associates

**Sr. Systems Manager/Network Administrator**, Healthnet 7/97 to 2/99 ([www.healthnet.com](http://www.healthnet.com))

- Windows NT Server Administration. Upgrades/Installations, Domain security and system policies
- Intranet/Web: Evaluate and purchase software and hardware to meet the companies needs. Corporate and Division level design and functionality of Intranet web sites involving HTML, VB Script, Java, Javascript, C++, ODBC, MSSQL Server 6.5, Oracle RDB 7.0, and Active Server Pages (ASP). Technical support for all web server software and hardware
- Configure and Maintain: SNA gateway, DECEDI records, Cisco routers, DNS on Linux system
- Monitor and troubleshoot network problems and bottlenecks
- Evaluate and implement RSA/PGP encryption technology

**Systems Manager**, Health Net 12/92 to 8/96 (www.healthnet.com)

- Primary Manager of 3 node development cluster and 3 node ALL-IN-1 cluster - at different times.
- Secondary Manager of 8 node production cluster
- Project Lead: Automated Notification Project; responsible for hardware purchasing, network design involving DECNet and TCP/IP, configuring the Client/Server hardware and software, and configuring the Polycenter Console Manager application.
- Performance Management: determined hardware bottlenecks, installed images, modified SYSGEN parameters, upgraded controllers & systems, investigated poor coding and scheduling practices
- Trouble shot system failures, and developed plans to avoid similar future failures
- Revamped entire tape library database to a more efficient and accurate system
- Managed disk space (host & controller based STRIPE, RAID, etc...) for over two terabytes of data
- Coded in DCL: Customized Storage Library System (SLS) which cut the backup times in half, backup verification and recovery programs, incorporated RMU backups into SLS, automated operational procedures
- Coded in VAX-BASIC: Database to manage disk moves, logical names, and disk space allocation
- Trained Operators on VMS, DCL, SLS, DCSC, Backups, Polycenter Scheduler, Ops procedures, UNIX
- Member of Operations Standards Committee: developed documentation and instruction on procedures

**Systems Administrator**, Directv 8/96 to 7/97 (www.directv.com)

- Swing shift Systems Administrator supporting 15 VMS Alpha Systems, 4 Win NT/95 Systems
- Configured RZ29 raid sets on HSZ controllers
- Functions Automated: media conversions, account creations/modifications, file restores
- Programmed in Postscript for report writing utility
- Additional Experience: Problem Analysis/Resolution, Network model pools - Shiva - Defender 5000

**President / Webmaster / Network Administrator**, Web Master Detail Inc. 4/96 to 11/97

- Hardware Configured: Pipeline router on a T1, Linux DNS server, NIC cards, & SCSI devices requiring kernel recompiles on Linux system, LAN-WAN on the Internet
- Software Configured: Hylafax - Email to page/fax, PostgreSQL, Apache web server, sendmail, gnu-c++ , ppp
- Troubleshoot: packet loss problems, software problems, performance bottlenecks, network issues
- Automated: Information retrieval programs which crawl the world wide web, and web site monitoring
- Additional Experience: CGI, routing, NFS, graphics design, html, vml, e-mail, perl, ghostscript, animation, TCP/IP, SSL, Java (Sockets), Multiple OS booting, Win 95, IPV6, Client/Server applications

**Computer Operator/Jr. Engineer**, Northrop B-2 Division 9/90 to 9/91

- Tested software - Wrote test cases. Analyzed high risk areas. Analyzed programs in assembly language
- Programmed in JOVIAL, VAX-FORTRAN, VAX-C, VAX-BASIC, Datatrive, Regis Graphics
- Developed DCL code for full image and incremental backups
- Maintained the security of user authorization files, managed disk space, submitted and monitored batch jobs

**Computer Operator**, U.S. Census Bureau 3/89 to 9/90

- Promoted twice within a year, Developed Datatrive code for payroll department
- Assisted in the installation of a DEC-VAX cluster at the Regional Census Center
- Installations: VMS Operating System, and customized software upgrades/patches
- Trouble shot system failures and user related problems
- Supervised data processing of payroll and personnel information