

MegaZone

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SUMMARY

Over ten years of increasingly responsible and diversified experience in Information Technology, spanning Solutions Architecture, Application Development, Application Security, Network Security, Web Development, Web Administration, UNIX Systems Administration, Network Administration, and Remote Access. Experience with standards development processes in both IETF and W3C working groups.

EMPLOYMENT HISTORY

11/02-present

CYPHERMINT, INC., Marlborough, MA

Director of IT Operations (11/05-present)

- Hiring & supervising IT staff of three.
- Acting as IT department liaison with executive management.
- Evaluating software and vendors to suit corporate IT needs.
- Purchasing authority for corporate hardware and software requirements.
- Planning for capacity increases and integration of pending acquisitions.
- Leading effort to bring Cyphermint into compliance with software licenses.
- Leading effort to migrate the corporate servers to VMware Infrastructure 3.
- Leading effort to upgrade corporate data storage to Isilon storage cluster.
- Led effort to bring all corporate desktops up to WinXP SP2 and MS Office 2003 as a minimum level.
- Migrated corporation to centralized anti-virus and anti-malware systems.
- Introduced centralized software asset tracking, auditing, and management.
- Training new staff on existing Cyphermint systems.
- Maintenance of all corporate web pages based on designs and content created by Marketing.
- IT support for corporate users.

Senior Network & Systems Administrator & Webmaster (04/05-11/05)

- Administration of corporate Windows and Linux servers, especially web servers and CVS server.
- Administration of network gear, including Cisco PIX firewall, load balancers, switches, etc.
- Maintenance of all corporate web pages based on designs and content created by Marketing.
- Evaluating software and vendors to suit corporate IT needs.
- IT support for corporate users.

Senior Software Engineer & Webmaster (11/02-04/05)

- Principal architect for the PayCash Payment Gateway (PPG).
- Principal developer for the payment processing component of the PPG, in ASP, XML, and XSLT.
- Principal XML and XSLT developer for all Cyphermint projects, especially the 7-Eleven VCom kiosk project.
- Contributing architect to several other engineering projects and product concepts.
- Security adviser for web based applications, corporate network, and e-commerce kiosk projects.
- Perl and PHP ports of the legacy PayCash Script Framework for UNIX/Linux and Windows.
- Maintenance programming on the ASP and ColdFusion PayCash Script Frameworks.
- Primary Professional Services Engineer for PayCash merchant implementations.
- Creation of consumer and merchant product documentation for the PayCash System.
- Preparation of engineering proposals and use cases for engineering group in St. Petersburg, Russia.
- Competitive analysis of the online payments industry, and proposals for engineering to counter it.
- Administration of internal and external Linux systems, including CVS server for development source code control.
- Member of evaluation team to determine a replacement for bug tracking system, with Bugzilla being selected.
- Maintenance of all corporate web pages based on designs and content created by Marketing.
- Technologies: XML, XSLT, XHTML, CSS, ASP, Perl, PHP, ColdFusion, VB Script, JavaScript, CVS, SQL Server, IIS, Apache, Linux, and Windows.

04/01-06/01

EXPERIENCE.COM, Boston, MA

Solutions Developer, Contract

- Development of the erecruiting.com 5.0 release, focused on JSP, XHTML, and JavaScript.
- Technologies: XHTML, CSS, JavaScript, Java, JSP, JDBC, Oracle, Apache, JServ, and Linux.

01/00-03/01

EVENT ZERO, Arlington, MA

Solutions Developer and Architect

Responsibility for research, planning, and execution of solutions for Event Zero's clientele. Projects included:

BarnesandNoble.com:

- Research into and planning of the hosting architecture, including testing and evaluation of Manna FrontMind.
- Configuration and maintenance of Cisco IPSec VPN to New York hosting center.
- Technologies: Java, Solaris, Oracle, Cisco switches, routers, Local & Distributed Director, and Manna FrontMind.

ZipTran:

- Research and planning the site architecture and design, and Linux and Solaris administration for development.
- Development of XML Schemas and Document Type Definitions.
- Technologies: XML, Apache, Linux, WebSphere, WebLogic, and XML Spy.

Experience.com:

- Triage and engineering repair of the erecruiting.com 4.0 release and development for the 4.5 release.
- Primary responsibilities focused on the JSP, XHTML, and JavaScript development.
- Troubleshooting Linux, Apache, and JServ configuration.
- Technologies: XHTML, CSS, JavaScript, Java, JSP, JDBC, Oracle, Apache, JServ, and Linux.

Internal:

- Maintained internal DCForum (Perl code) web discussion forum.
- Trained other developers on HTML and XML and acted as internal XML guru.
- Assisted in maintenance of Solaris and Linux development systems, including installation of software.
- Advised other project groups, such as BankPass, on security issues.

ADDITIONAL POSITIONS HELD

Details available upon request.

05/02-05/02, APEX CONSULTING GROUP, INC., Wilmington, MA, Consultant

02/98-12/99, GTE INTERNETWORKING, POWERED BY BBN, Cambridge, MA, VPN & Internet Security

Services Product Specialist (01/99-12/99), Internet Systems Engineer, Telesales (02/98-12/98)

05/98-11/99, INTERNET SERVICE PROVIDERS' CONSORTIUM (ISP/C), Minneapolis, MN, Director at Large

05/97-03/98, OSBORNE/MCGRAW-HILL, Berkeley, CA, Technical Editor, Contract

08/95-02/98, LUCENT REMOTE ACCESS BUSINESS UNIT, formerly LIVINGSTON ENTERPRISES, Pleasanton, CA, Webmaster & Technologist

10/94-08/95, XYLOGICS, INC., Burlington, MA, Second Level Engineer, Technical Support

RELATED TECHNICAL EXPERIENCE

Experience with most major operating systems. The most extensive experience has been with UNIX/Linux.

- UNIX variants: Linux, FreeBSD, Solaris, SunOS, IRIX, and others
- Others: WinXP/2k/NT/9x/3.x, MS-DOS, MacOS

System Hardware: x86 (Intel/AMD) hardware (UNIX/Linux and Windows), Sun SPARCStations, other UNIX workstations, Macintosh (68k/PPC)

Network Hardware: Lucent PortMaster Access Servers and Routers, TimeStep and Nortel VPN Gateways, and a variety of basic network hardware (switches, patch panels, etc.). Design of secure networks utilizing a variety of routers, switches, load balancing systems, SSL acceleration hardware, etc.

Network Services

and Protocols: HTTP (Apache, IIS, others), SSH, RADIUS, NFS, SMB (Samba), DHCP, DNS, SMTP, etc.

Software: Standard UNIX tool set, emacs, CVS, XML Spy, many GNU packages, OpenOffice.org, Mozilla, Adobe Acrobat, Etherreal, MS Office, Visio, and various HTML tools.

Languages: PHP, Perl, ECMAScript/JavaScript, VB Script, Java, shell scripting, some C, C++ and C#.

Web technologies: XML, XSLT, HTML, XHTML, ECMAScript/JavaScript, CSS, PHP, ASP, JSP, ColdFusion, HTTP, SSL/TLS, DOM, etc. I have extensive experience with many versions of the major browsers.

Security: Network security, Application security, CheckPoint FW-1, NIS Gauntlet, WatchGuard Firebox, IPSec VPN, packet filtering, RADIUS AAA, HTTP authentication, and more.

CERTIFICATIONS

Red Hat Linux Certified Engineer (RHCE) #806199299900541, certified by Red Hat, Inc. - Expired.

Certified Information Systems Security Professional (CISSP) #3762, certified by International Information Systems Security Certification Consortium (ISC)² - Expired.

ADDITIONAL ACCOMPLISHMENTS

Member of W3C WAI Working Groups

- Contributed to the HTML 4 recommendation, including proposing the 'optgroup' element
- Contributed to the CSS 2 recommendation
- Contributed to the Web Accessibility Initiative guidelines

Member of IETF RADIUS Working Group

- Contributed to the evolution of the RADIUS protocol spec

CONFERENCE SPEAKING AND TRAINING PRESENTATIONS

- ISPF, Atlanta, GA, October 1998
- ISPF, San Diego, CA, March 1999
- AussieISP, Sydney, Australia, April 1999

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Technical Writing, May 1994
Bachelor of Science, Humanities, August 1994

Continuing Education:

- Essential Perl Programming, UC Berkeley Extension, August 1996
- Advanced Perl Programming, UC Berkeley Extension, August 1996
- Perl 5 and the World Wide Web, UC Berkeley Extension, October 1996
- Applied Cryptography and Data Security, WPI, May 1999

Training:

- JavaScript Fundamentals, The Web Academy, February 1996
- Deployed and Emerging Security Systems for the Internet, NetWorld+Interop, October 1998
- Building Scalable & Resilient Internetworks Using OSPF and BGP-4, NetWorld+Interop, October 1998
- Contivity Extranet Switch Installation and Configuration, Nortel, August 1999
- Understanding Networking Fundamentals, Global Knowledge, September 1999
- Internetworking with TCP/IP, Global Knowledge, September 1999
- Red Hat Linux Systems Administration, Global Knowledge, November 1999
- Red Hat Linux Network and Security Administration, Global Knowledge, November 1999

OTHER ACTIVITIES

- Staff for animé conventions. Senior Staff for Anime Expo 1992-2002. Second in command for Anime Expo New York 2002. Helped found Anime Boston and Pacific Media Expo (PMX). Senior Staff for PMX 2005. Also ran panels and participated in a number of other conventions, such as AnimeNEXT, Anime Central, etc. In these roles, managed a large number of staff, controlled budgets of up to \$80k, and interacted with numerous vendors and corporations.
- Very active in the online TiVo user community. Maintains TiVoLovers.com. Active in numerous blogs, web forums, mailing lists, newsgroups, etc.

REFERENCES

Available upon request.

CITIZENSHIP

United States of America

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