

Alex Valentine
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Contact Information
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Employment History

SIG, Bala Cynwyd, Pennsylvania

Datacenter Automation Engineer, 5/2008 to current

- Engineering lead focusing on the design and implementation of datacenter automation technologies, primarily focusing on HP Server Automation. (Opsware SAS)
- Responsible for the design and deployment of HP Server Automation for a large multisite enterprise environment. (3000+ managed servers, 10+ sites)
- Responsible for the migration of in-house server builds and administration technologies to HP Server Automation.
- Working on the API integration of HP Server Automation with other configuration management technologies. (CMDB, HP Network Automation, HP Service Manager)

Linux Engineer, 4/2007 to 5/2008

- Administration of production SUSE Linux and Redhat Linux systems in a enterprise environment. (3000+ servers)
- Maintained and enhanced automated build technologies for Linux systems using open source tools.
- Conducted an in-house evaluation of enterprise configuration management tools, including test deployments of HP Server Automation (Opsware) and Novell Zenworks.
- Responsible for the support of servers used in a variety of roles, including market data, high performance computing, and web serving.
- Developed a load balanced Apache web serving infrastructure , that included a versioning and deployment tool.
- Developed a server inventory system based on SNMP data.

Afilias, Horsham, Pennsylvania

UNIX Systems Administrator, 2/2006 to 4/2007

- Administration of production Redhat Enterprise Linux, Fedora Linux, and Debian Linux servers.
- Assisted in the setup, and deployment of a production enterprise data center in a mixed AIX and Linux environment.
- Responsible for multiple production services, including: Apache, Sendmail, BIND, and Postgres.
- Development and deployment of solutions for single sign on, network/system monitoring, and penetration testing.
- Administration of Cisco routers, Cisco PIX firewalls, and Cisco VPN appliances.
- Technologies used: Redhat Linux, Debian Linux, Apache, Sendmail, Postgres, BIND, Kerberos, Cisco IOS, NFS, PERL, Nagios, OpenNMS

Pennsylvania State University, University Park, Pennsylvania

Linux Administrator, 11/2003 to 2/2006

- Administration of multiple Redhat Linux and Debian Linux servers, along with Macintosh and Windows workstations.
- Administration and monitoring of Apache, Tomcat, Postgres, and MySQL servers.

- Development of strategies and solutions for source control, issue tracking, remote work monitoring, and developer collaboration.
- Java application design and development.
- Authoring of shell scripts using BASH and PERL.
- Management of software developers and interns.
- Speaking and promotional duties, including several conference presentations.
- Conducted job interviews for full time and intern positions.
- Assisted in the design and development of various websites.
- Technologies used: Debian Linux, Redhat Linux, Java, Apache, Tomcat, LDAP, MySQL, Samba, Postfix, NFS, TSM, Kerberos, CVS, PERL, Courier, Mac OSX, Windows

Senior Research Tech, 8/2002 to 11/2003

- Co-authored the LionShare project proposal, the basis for a \$1.2 million dollar research grant from the Andrew W. Mellon foundation.
- Maintained Redhat and Microsoft Windows 2000 servers.
- Java application design and development using Swing and several open source libraries.
- Technologies used: Redhat Linux, Windows 2000, Java, Swing, XML, Kerberos, CVS.

Senior Application Programmer Para-Professional, 11/2001 to 8/2002

- Researched P2P and other emerging technologies.
- Co-designed the LionShare P2P concept and architecture.
- Developed a prototype LionShare client and server.
- Co-authored a project summary, technical overview, and the initial proposal which lead to a full time development position.
- Technologies used: Java, Redhat Linux, XML

Lab Consultant, 9/2001 to 5/2002

Electronic Catalog Design, Wilkes-Barre, Pennsylvania

Web Developer, 10/1996 to 5/1998

US Netway, Moosic, Pennsylvania

Web Developer, 1/1997 to 6/1997

Skills

Systems Administration

HP Server Automation, SUSE, Redhat, Debian, Fedora, Solaris, OSX, Windows 2003/XP/2000, Apache, Tomcat, Postgres, MySQL, Samba, Sendmail, Postfix, Courier, BIND, Kerberos, OpenLDAP, NFS, TSM, AMANDA, Cisco IOS, Cisco VPN, Zimbra, Scalix

Languages and Scripting

Java, Bash, Python, PHP, SQL, JavaScript, HTML

Software Packages and Tools

VIM, CVS, Subversion, ANT, LOG4J, Eclipse, Photoshop, Illustrator, Aperture

Certifications

Comptia A+ Certification	7/2001
Microsoft Certified Professional	7/2001

Education

Pennsylvania State University

Major: Business Administration – Management Option
Credits Completed: 121