

Alex Stewart

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SUMMARY:

IT professional with over 25 years of experience in system administration, virtualization, programming, operating systems, relational databases, networking, communications, web administration, application design, and many related technologies. Excellent interpersonal skills and able to work well in a team or individually in a wide variety of roles and responsibilities. Skilled in evaluating problems, developing solutions, and doing whatever needs to be done to ensure a successful conclusion to any project at hand.

EXPERIENCE:

Operating Systems (installation, management, networking, and use):

Linux, Solaris, HP-UX, FreeBSD, SysV, VMS, Windows, and others.

Standards/Protocols:

Common internet protocol standards (TCP/IP, SSH, SMTP, FTP, HTTP, etc), X.25, IPX/SPX, IPv6, ATM, POSIX, HTML, SGML, XML, CSS, WAP, DAV, etc.

World Wide Web Experience:

Web site administration using Apache (1.x and 2.x), Tomcat, Weblogic, Websphere, Zope, Dynamo, custom Web server design and implementation, CGI, HTML, DHTML/DOM, CSS1/CSS2, JavaScript, Java, Apache::ASP, transparent proxies, caching solutions, and custom apache modules.

Other Applications/Components:

VMware ESX/ESXi, Oracle, Sybase, Postgres, MySQL, NetBackup, Amanda, BigIP/3DNS, LocalDirector, Cisco and Checkpoint Firewalls, bind (DNS), sendmail, qmail, openssh, kerberos, nfsd, samba (including Windows domain integration), wu-ftp, proftpd, NetApp, Linux RAID, ZFS, thin client technologies, and more...

Programming Languages:

C, C++, sh/csh, Python, PERL, Pascal, BASIC, Forth, Fortran, Scheme, DCL, PostScript, SQL, PL/SQL, MOO, Java, JavaScript, and others...

Other Notable Experience:

Experience in both server and desktop virtualization technologies and architectures. Experience in strong system/network security (OTP, firewalls, encryption, and secure communications). Oracle RDBMS administration (Solaris, Linux, HP/UX) and application development experience. Collaborative systems, bulletin boards, and multi-user networked communities and virtual environments.

EMPLOYMENT:

Barclays Global Investors, San Francisco, CA (<http://www.barclaysglobal.com/>) 2006 – 2009

Senior System Administrator, Engineering Group

Responsible for evaluating, designing, and deploying new technologies and architectures to fit the enterprise, as well as troubleshooting complex issues and determining appropriate system-wide resolutions.

- Architected, implemented, deployed, and trained support for a large-scale, high-performance (global remote-office) desktop-virtualization solution supporting over 250 users in both local offices and 4 remote offices including South America, Germany, and Singapore.
- Helped to develop department-wide document standards and communication procedures relating to problem reporting and resolution, new system documentation requirements, ITIL process integration, and engineering/operations team interaction and hand-over issues.
- Created a variety of custom system administration, diagnostic, and data-collection tools used in the day-to-day operations of the company.

Wells Fargo, San Francisco, CA (<http://www.wellsfargo.com/>)

2002 -- 2006

Senior System Administrator for Wholesale Internet Services

In charge of Linux system standards and builds, blade system deployment, secure system access management, and Apache server management.

- Performed in-depth performance, scalability, and cost evaluations of available Linux blade server architectures and provided recommendations for choice of servers, capacity planning, and application migration decisions from existing Solaris systems.
- Created an automated-build (kickstart) architecture used for all Linux server builds, including automatic post-build configuration and deployment tasks.
- Was responsible for building and maintaining nearly all of the Red Hat Linux systems within the Wholesale Internet group of Wells Fargo (over 150 systems), and all supporting blade hardware.

Taos, Santa Clara, CA (<http://www.taos.com/>) 2000 -- 2001

System Administration Consultant

Performed general system administration consulting services for a variety of client companies. Roles included general system administration, mail server management, tape backups, DBA assistance, web server management, hardware maintenance, and a variety of other tasks.

Red Hat, San Francisco, CA (<http://www.redhat.com/>) 1999 -- 2000

Web Systems Engineer

Responsible for all web systems administration for www.redhat.com and assisted with web application development.

- Designed, implemented, and maintained scalable clustered web system architecture for www.redhat.com, including web servers, application servers, load balancing, distributed file management and configuration, development environment, code management system, and web database systems.

Taos, Santa Clara, CA (<http://www.taos.com/>) 1998 -- 1999

System Administration Consultant

Performed general system administration consulting services for a variety of client companies.

- Evaluated, developed, and implemented a tape-backup system for a growing Internet startup company, supporting over 80 database, application, and infrastructure servers.
- Implemented an enterprise-wide system monitoring and alerting system for the same company.
- Was responsible for both most system administration duties as well as managing the entire IT department of another startup company for over 5 months until a permanent IT manager could be found.

University of Sydney, Sydney, Australia (<http://arch.usyd.edu.au/>) 1997

Visiting Scholar at the Key Centre for Design Computing

- Helped write and maintain an internet-based real-time communication server, consisting of over 35,000 lines of C source code, currently being used on a variety of platforms by over 30 educational and research institutions for text-based, web-based, and 3D interaction and collaboration using the Internet.

Other Employment

Prior employment includes system administration, database administration, and application development for Allied Signal (now Honeywell), work as a system administrator and developer for Diversity University (an online learning environment and educational organization), hardware support and user services for Carleton College (<http://www.carleton.edu/>), and work for Dow Chemical (<http://www.dow.com/>) in the areas of programming, user support, and computer maintenance and repair, as well as several years of independent contracted programming and computer consultation work for a variety of clients.

EDUCATION:

Major in Physics and Computer Science

- Diablo Valley College, Pleasant Hill CA
- Carleton College, Northfield MN