

Robert Strassburg
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- UNIX Systems Administrator and Network Administrator
- 10+ years of real-world experience
- Expert in the management of multi-user and high performance systems
- Eager to explore and evaluate new technologies

Technical Skills

Operating systems:

Linux, FreeBSD, Solaris, OpenBSD, Cisco IOS, Windows

Note: Linux has been my primary desktop operating system since 1996

Fluent languages:

Perl, C, Shell scripting

Intermediate languages:

SQL, PHP, C++

Software:

- Web servers including Apache, nginx, and lighttpd
- PHP, mod_perl
- MySQL, PostgreSQL
- Squid proxy-cache, Pound
- Mail services including: Postfix, Sendmail, Dovecot, Amavis, SpamAssassin, and ClamAV
- Network filesystems such as NFS, Samba, and AFS
- Nagios, munin, monit, MRTG, Cacti, and other monitoring systems
- Asterisk VoIP
- iptables/tc (Linux firewall and traffic shaping)
- Linux Virtual Server and other load balancing/high availability software
- RADIUS, TACACS
- tcpdump, Wireshark, nmap
- Various other utilities

Work History

Hidebehind LLC (2006-) - Systems Administrator and part-time developer

Hidebehind is a popular anonymous image and movie host. When hired at Hidebehind it was running off of a single dedicated server and struggling to handle it's newfound popularity.

- Created an entirely new infrastructure optimized to the application, with full redundancy
- Scaled traffic handling ability to 500mbit/sec and beyond using minimal hardware
- Responsible for 6 Linux servers
- Implemented site-wide monitoring, statistics, and performance metrics
- Configured new DNS and E-Mail systems with spam and antivirus defenses
- Co-developed a WebDAV based distributed redundant filesystem
- Created an Asterisk-based application for prepaid phone cards
- Developed a high quality video encoding and thumbnail system for Flash video
- Spearheaded an effort at documentation using a Wiki
- Implemented firewalls and a VPN system
- Advised management on hardware and software purchasing decisions
- Worked closely with both developers and management

Quantum Tech Pty Ltd (2007-) - Systems and Network Administrator

Quantum Tech is a dedicated webhosting provider specializing in managed services for the adult industry.

- Responsible for over 200 FreeBSD servers
- Top level tech support, advanced troubleshooting
- Automated many tasks to increase productivity of the entire staff
- Assisted in the semi-automated migration of hundreds of servers to newer hardware
- Created standard procedures for server configuration and management
- Developed and deployed methods of significantly increasing server performance
- Implemented a new DNS system with SQL backend
- Responsible for the configuration of all switches and routers

Stream57 LLC (2004-2006) – Systems and Network Administrator

Stream57 is a live webcasting and streaming media company with strong ties to the medical community.

- Migrated entire system to a VMWare virtual server environment
- Migrated system to a new datacenter
- Configured system to be entirely remotely managed
- Configured and managed Windows Media Services
- Backups of large amounts of data using a tape library
- Reduced dependence on costly Windows technologies
- Implemented a caching system using Squid to reduce load on servers
- Configured a content-inspecting Linux firewall
- Segmented network for increased security
- Worked directly with over 10 different developers on various projects

Trainease Inc (2003-2004) – Systems and Network Administrator, part-time developer

Trainease was a company specializing in corporate training solutions and online courses, a very challenging environment that required a jack-of-all-trades approach.

- Responsible for a mixed environment of Windows, Linux, and Solaris servers
- Supported a small office with 4 employees using a variety of platforms
- Assisted in migrating web technology from Lotus Notes to ChiliSoft ASP
- Migrated databases from MSSQL to Sybase
- Implemented DNS and E-Mail
- Wrote various automated data crunching tasks in Perl
- Assisted developers with various tasks

System Resource Inc (1998-2000) – Systems and Network Administrator, Technical Support

A small dial-up ISP and web host experiencing large growth.

- Responsible for various FreeBSD machines
- Set up entirely new datacenter
- Migrated from racks of modems to Lucent Portmaster units for 56k dial-in capability
- Built and configured RADIUS, DNS, E-Mail, and Web servers
- Configured Cisco routers with Frame Relay and point-to-point DS1 links
- Managed account creation and deletion
- End-user technical support

Education

Attended High School in Hornell, NY with a strong focus on the available computer courses.

'Education is an admirable thing, but it is well to remember from time to time that nothing is worth knowing can be taught.' - Oscar Wilde

Personal Projects

Owner and operator of Cosmic-Cow Internet Services(Est 2000), a not-for-profit service that provides free hosting and shell accounts to like-minded unix users. This is a popular multiuser system that I run in my spare time for the good of the community. It also serves as a test bed for new technologies.