

Objective

To exercise and expand my systems management skills in a challenging and rewarding environment.

Skills

- Unix Administration (12 years experience): Linux, Solaris, MacOS X, FreeBSD, OpenBSD, Irix, and AIX.
- Unix Server Software: Apache, BIND, Cacti, Cfengine, Ganglia, Hadoop, KVM, LDAP, Lighttpd, MySQL, Nagios, NFS, NIS, Oracle, Puppet, Samba, SELinux, Sendmail, Veritas Foundation Suite, Veritas NetBackup, WebSphere, and Xen.
- Computing Hardware: Cisco network devices, Isilon IQ clusters, NetApp filers, F5 BIG-IP traffic managers, and Avocent/Cyclades console servers.
- Proficient in system administration practices:
 - storage management
 - TCP/IP networking
 - performance tuning
 - backup management
 - email administration
 - fault analysis
 - system automation
 - security management
 - communicating with users
- Programming (15 years experience): C, C++, Python, Perl, Java, OCaml, Bourne Shell, and Scheme.

Certifications:

- Sun Certified System Administrator and Network Administrator for Solaris 8
- Red Hat Certified Engineer for Red Hat Enterprise Linux 4

Education

University of Pennsylvania, School of Engineering and Applied Science. Awarded B.S.E. May 2001. Major: Computer Science and Engineering; minors: Cognitive Science, Mathematics.

Employment History

Autonomy, Inc. New York, NY; October 2010–Present

Senior Systems Administrator, Autonomy Optimost

- Managed Linux servers running a distributed, high traffic web service
- Supported a highly-avaliable clustered LAMP application used by our clients
- Expanded the computing environment by adding clustered MySQL database servers for fault tolerance; developed procedures to migrate data to new database servers while minimizing downtime
- Set up automated backups and system monitoring
- Provided IT support in New York and Boston offices

Jane Street Capital, New York, NY; March 2007–June 2010

Quantitative Systems Engineer

- Managed 200+ Linux servers in an environment that demanded high availability and rapid adaptation to changing market circumstances
- Automated system management, monitoring, and backups, using a combination of open-source software and custom code
- Optimized production servers for maximum throughput and minimum latency
- Participated in code review of configuration management and performance monitoring tools
- Responsible for monitoring and troubleshooting of incoming market data feeds, as well as logging, processing, and storage of market data for research use

TargetRx, Horsham, PA; June 2005–February 2007

Production Systems Administrator

- Responsible for managing Sun servers, NAS/SAN storage, tape backup systems, and network infrastructure in a growing environment
- Implemented comprehensive systems for configuration management on all platforms
- Improved systems for server performance, integrity, and fault monitoring

The Vanguard Group, Valley Forge, PA; July 2001–June 2005

Unix System Administrator (August 2003–June 2005)

- Administered 250+ Sun servers at two data centers; served in on-call rotation providing 24×7 support
- Led the project to spec and build Vanguard's Linux computing environment
- Performed installations, upgrades, and emergency maintenance

2nd-tier Unix/RDBMS Support (July 2001–August 2003)

- Provided technical support to Vanguard's IT and business departments
- Troubleshot problems in Solaris, iPlanet, WebSphere, Sybase, and Oracle

UPenn School of Arts and Sciences Computing Services, Philadelphia, PA; May 1999–May 2000

Part-time System Administrator

- Administered Solaris, Linux, Irix, and AIX servers
- Performed installations and upgrades; managed security and backups; provided user support
- Developed a suite of CGI scripts for use by the business office

References available upon request.