Jeff Block

San Francisco, California
Email: jblockonline@gmail.com

Education and Training

- Bachelor of Science in Electrical Engineering, December 2002, University of Arizona, Tucson, Arizona
- Tivoli Storage Manager 5.4 Implementation and Administration, Nationwide Training Alliance, San Francisco, California
- Introduction to Perl Programming, Berkeley Extension, Berkeley, California
- Cisco Certified Network Associate (CCNA) class, University of Arizona, Tucson, Arizona
- Cisco Certified Design Associate (CCDA) class, University of Arizona, Tucson, Arizona

Work Experience

Programmer Analyst I, II, III & IV

Department of Radiology / Research Computing, University of California, San Francisco, California - 2004 - Present

- Work with Radiology Research Computing group to maintain departmental and research computing infrastructure, including network applications, shared computing configuration, storage management, and workstation/server support.
- Built and manage:
  - RedHat Enterprise Linux infrastructure, Kickstart configuration with PXE netboot. Includes custom scripts and patches (up2date/yum) and with custom kernel / kernel modules and driver builds for Research and Departmental environment.
  - Department wide authentication system, including Mac OS X Open Directory servers that provide authentication and directory information for Linux, Solaris, Mac and Windows clients. Requires custom LDAP schema and advanced tuning along with custom Kerberos configuration, and shell / perl scripts for administration and maintenance.
  - Solaris 10 Jumpstart Profile with custom scripts / configuration for Research and Departmental Environment.
  - Windows Server 2003 Terminal server environment including group policy and user access / permissions / lock down.
  - Windows Server 2008 Active Directory environment including cross realm authentication with MIT Kerberos REALM.
  - Tivoli Storage Manager for Research environment to backup all workstation, laptop and server systems.
  - Symantec antivirus & client firewall server including configuration of Symantec Server – SCS and SEP.
- Collaborated on the maintenance and management of the Radiology Department's heterogeneous HPC grid infrastructure. Developed best practices for maintaining a production level grid infrastructure to minimize risk from software deployments.
- Integration of Radiology Research systems with QB3 shared grid infrastructure
- Modify Radiology Department Checkpoint firewalls and Cisco switch / router configurations as needed.
- Manage software firewall configurations on Linux, Solaris, Mac and Windows (iptables, ipf, ipfw, Symantec and Microsoft).
- Monitor / Maintain Radiology Department Mail, DNS, Web, FTP, and File servers and DHCP services with failover.
- Implement and maintain XEN fully virtualized and paravirtualized systems on Linux and Solaris 10 virtualization via zones.
- Provide documentation for other IT administrators and assist other desktop and server administrators with complex issues.
- Manage Unix and Linux software compilation / installation and wrapper scripts for Research users and Application Servers.
- Manage RAID storage: Fiber and SCSI hardware devices and software RAID on Windows, Solaris, Linux and Mac OSX.
- Maintain scripts, backups, and other custom configuration on clinical and research MRI scanners.

Associate Consultant

Mann Consulting, San Francisco, California - 2003 - 2004

- Setup and troubleshoot Mac / Windows workstations and servers in mixed environments.
- Troubleshoot and resolve network/server issues and emergencies, including hardware/software failures.
- Setup and administer network/server/client environments including wireless networks.

Support Systems Analyst

College of Social and Behavioral Sciences - Technical Support Services, University of Arizona, Tucson, Arizona - 1999 - 2003

- Setup and administered all College-wide Windows NT4, Windows 2000, and Redhat Linux servers.
- Setup Sophos and Norton anti-virus servers and customized for local environment.
- Created and maintained login scripts/batch file scripting / Unix shell scripting for automation and system administration.
- Setup and administered Netscreen firewall to protect all College-wide servers.
- Handled advanced desktop technical support and lead technical support team, directing technicians in Manager's absence.

Skills and Attributes

- Platforms: Microsoft Windows/Server, RedHat Enterprise Linux, Solaris 9&10, MacOS 8/9/X/XServer.
- Programming: Perl, shell scripting, DOS batch file scripting.
- Services: LDAP, Kerberos, Open Directory, Active Directory, ISC DHCP, Apache, IIS, Samba, Sendmail, Communigate, NFS, TFTP, FTP, SVN, TRAC, Postgres, MSSQL, SSH, NIS+, DNS – BIND & Win, WINS, Solaris Jumpstart, Linux Kickstart.
- Networking: Checkpoint Firewall, Cisco, Foundry, ACLs, OSI model, TCP/IP, Wireless networking and WEP/WPA.
- Other enterprise software, etc: Legato Networker, Tivoli Storage Manager, BigBrother, Rsync/Rdist, Sun Java Calendar Server, Lights Out Management, Netapp, Symantec Client Security & Symantec Endpoint Protection.

References available upon request