

KYLE BRANDT

51 Phillips Street, #5 • Boston, Massachusetts 02115 • (781)985-3316
kyle@kbrandt.com • www.kbrandt.com

TECHNICAL SKILLS

Operating Systems: (Administration, installation, securing, updating, performance tuning, and support): GNU/Linux (Debian, Red Hat, CentOS, and Ubuntu); Windows 2003 Server, Vista, XP, 2000, and Mobile 5; Cisco IOS, and Mac OS X

General: Languages: Bash, Perl, Python and C; Networking: routing, switches, and subnetting; Network protocols: TCP/IP, DHCP, SSH, DNS, NIS, NFS, LDAP, IMAP, BGP, EIGRP, IPsec, and SMTP; and basic web design/HTML

Applications: Apache 1.3.x, 2.x, and Tomcat; MySQL cluster and replication; VMware Workstation and Server; OpenVZ, Netbackup OnTap, the standard GNU and Unix toolset: sed, awk, rsync, OpenSSH, strace, tcpdump, etc.; Veritas Netbackup; Microsoft Active Directory, Exchange 2003, IAS (Radius), and IIS; Subversion; Sendmail; Cacti; Nagios; Samba, Splunk; J-Meter; Squid; Wireshark; Nmap; Nessus; Snort; and PGP

PROFESSIONAL EXPERIENCE

Linux and Network Administrator *OpSec Security*

Boston, Massachusetts
August 2008-Present

- Managed and successfully executed the relocation of the company's co-location environment (data center) to a new location and provider.
- Acted as the network administrator for the Boston office, the data center, and the company's wide area network (WAN) that connected 5 locations across the nation.
- Responsible for administration and deployment of customer facing and internal GNU/Linux and Windows 2003 servers which hosted services including web sites, a Internet web crawling and caching engine, FTP/SFTP sites, and email.
- Managed Active Directory, Exchange 2003, Blackberry Enterprise Server, and tape backups.
- Implemented a redesign of the WAN from a site-to-site VPN tunnel solution to a MPLS solution and implemented and designed a DMZ.
- Configured and administered the company's Cisco routers and switches. Configuration areas included: Network Address Translation (NAT), Access Control Lists (ACL), IPsec site-to-site and client-initiated Virtual Private Networks (VPNs), Policy Based Routing (PBR), Border Gateway Protocol (BGP), Enhanced Interior Gateway Protocol (EIGRP), Hot Standby Router Protocol (HSRP), ip accounting, route maps, Context-Based Access Control (CBAC), Spanning Tree Protocol (STP), and multi-homing.
- Designed and implemented a device level and connection level fully redundant network with BGP, HSRP, STP, and NIC teaming/bonding at the data center.
- Wrote Bash, Perl, and Python scripts to automate server maintenance, deployment, and monitoring.
- Configured Nagios for monitoring of Windows and GNU/Linux servers, services, and network devices. Wrote custom scripts for Nagios to monitor the company's web applications.
- Technologies included: Redhat GNU/Linux, Apache (1.3.x, 2.x and Tomcat), SSL Certificates, MySQL, Postgres, Oracle, Linux-HA, Bash, Zsh, Nagios 3, rrdtool, Subversion, CVS, Sendmail, NFS, NIS, LDAP, iptables, Samba, IPsec, Windows Server 2003, Active Directory, Microsoft Exchange 2003, Veritas Netbackup, OpenVZ, VMware Server, Cisco 871w/1720/2801/2811/2821/3825 routers, 3Com VOIP NBX Phone System, Dell PowerEdge servers, NetApp SAN FAS3020, Promise Vtrack 15100, Sun StorageTek SL500 Tape Library, and Managed 3Com, Netgear and Dell Power Connect switches.

Linux Administrator*Xplana Learning*

Boston, Massachusetts

January–May 2008

- Responsible for remote administration of multiple Linux clusters that hosted various LAMP (Linux, Apache, MySQL, and PHP) based web applications.
- Acted as a consultant in administering GNU/Linux clusters for clients.
- Wrote Bash scripts to automate server maintenance, clients' appliance updates, deployment, and monitoring.
- Ran distributed load tests with J-Meter.
- Technologies included: Redhat GNU/Linux, Apache (1.3.x, 2.x and Tomcat), MySQL (cluster and replication), PHP, Bash, Zsh, Subversion, Sendmail, and VMware Server.

Field Engineer*Houghton Mifflin Learning Technology*

Boston, Massachusetts

September–December 2007

- Administered and supported production and testing LAMP servers that ran a web based e-learning application.
- Developed a caching solution for the company's web based product to circumvent bandwidth issues using Squid, configured the solution to be deployed in both GNU/Linux and Windows environments.
- Traveled to schools and worked in data centers to support GNU/Linux Servers and provided bandwidth analysis.
- Wrote Bash scripts for automated remote backup.
- Underlying technologies and tools included: Debian and Ubuntu GNU/Linux, MySQL, Apache, RAID, tape backup, SED, Vi, Subversion, and Squid.

Help Desk Representative (Contract)*Whitehead Institute for Biomedical Research at MIT*

Boston, Massachusetts

September–December 2007

- Supported Windows and Macintosh desktops in a laboratory environment as part of a team.

Distance Learning Technician*Cleveland Institute of Music*

Cleveland, Ohio

2005–2007

- Troubleshoot an enterprise level rack mounted streaming media server that used Windows 2003 Server and a proprietary Linux distribution. Ran the technology for e-learning video conferences in a live studio environment.
- Underlying technologies and tools included: PolyCom and Lifesize codecs, Internet 2, TCP/IP, ATM, Mixers, Multiple microphones and digital video cameras, Windows 2003 Server, Windows XP, and GNU/Linux.

Help Desk Representative*State Street Corporation*

Quincy, Massachusetts

2001–2002

- As a member of a data security team, provided user phone support for authentication issues on over 10 mainframe systems including Lotus Notes, UNIX, and proprietary banking systems.

EDUCATION

Master of Music 2007
 Cleveland Institute of Music Cleveland, Ohio
Bachelor of Music 2005
 New England Conservatory of Music Boston, Mass

INTERESTS

Interests include: music performance, photography, 20th century literature, graphic design, and running.