

# KYLE BRANDT

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## TECHNICAL SKILLS

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**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, and Python; networking: basic routing, hubs, switches, and subnetting; network protocols: TCP/IP, DHCP, SSH, DNS, NIS, NFS, LDAP, IMAP and SMTP; and basic web design/HTML

**Applications:** Apache 1.3.x, 2.x, and Tomcat; MySQL cluster and replication; VMware Workstation and Server; the standard GNU toolset: Sed, Awk, Rsync, OpenSSH, etc.; Veritas Netbackup; Active Directory; Exchange 2003; Subversion; Sendmail; Cacti; Nagios; Splunk; J-Meter; Squid; Wireshark; Nmap; Nessus; Snort; PGP; Adobe Photoshop, Illustrator, Premiere, and Audition; Maxon Cinema 4D; Sibelius 4; and Finale

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## PROFESSIONAL EXPERIENCE

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### Linux Administrator

*OpSec Security*

Boston, Massachusetts

August 2008-Present

- Responsible for administration of customer facing and internal GNU/Linux and Windows 2003 servers
- Acted as the network administrator for the Boston office, the data center, and the companies' wide area network (WAN) that connected 5 locations across the nation
- Configured and administered the company's Cisco routers. Configuration areas included: Network Address Translation (NAT), Access Control Lists (ACL), Static Routes, IPsec Virtual Private Networks (VPN), Policy Based Routing (PBR), and multiple Internet connections
- Wrote Bash, Perl, and Python scripts to automate server maintenance, deployment, and monitoring
- Configured Nagios for monitoring of Windows, GNU/Linux servers, and Cisco routers. Wrote custom scripts for Nagios to monitor the company's web applications and routers
- Technologies included: Redhat GNU/Linux, Apache (1.3.x, 2.x and Tomcat), MySQL, Postgres, Oracle, 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 1720/2801/2811/2821/3825 routers, 3Com VOIP NBX Phone System, Dell PowerEdge servers, NetApp SAN FAS3020, and Managed 3Com and Netgear 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

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**EDUCATION**

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<b>Master of Music</b>	2007
Cleveland Institute of Music	Cleveland, Ohio
<b>Bachelor of Music</b>	2005
New England Conservatory of Music	Boston, Mass

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**INTERESTS**

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