

Jonathan Arehart

P. O. Box 3840, Austin, Texas 78764-3840, 512/565-6793, jonathan@arehart.net

Desired Opportunity

- To work for a small to medium sized company which is involved with and using open source [1] and/or free software [2], where I can learn new skills and technologies and face new challenges, and that has an open working environment.

Work Experience

- *November 3, 2008 - Present: Tier III Data Center Support for Hostway Corporation* [3]. One member of the team running two 24/7 data centers in Austin, Texas supporting Hostway's dedicated server and cloud/virtualization products. Involved in customer support via phone and ticket system, as well as custom or image-based server build, configuration, and installation. Also responsible for installation, configuration, and support of firewalls, VPNs, and load balancers. Assist with support and maintenance of public and internal infrastructure systems. Help plan and implement infrastructure build, maintenance, and migration for key customers. Hardware involved: Dell PowerEdge servers, Cisco ASA series appliances, Brocade ServerIron load balancers, Brocade and Juniper routers, and Brocade, HP ProCurve, and Dell PowerConnect switches. Software involved: Windows Server 2003, Windows Server 2008, Microsoft Hyper-V, RedHat Enterprise Linux, Debian GNU/Linux, CentOS Linux, Ubuntu Linux, OpenBSD, iptables, pf, keepalived, Parallels Plesk, Apache, and MySQL.
- *May 25, 2003 - July 27, 2007: Network and Systems Administrator for International Studies Abroad (ISA)* [4]. Duties involved administering and supporting sixteen remote Linux servers (in branch offices around the world) as well as thirteen more and related network and SAN gear at ISA's headquarters in Austin, Texas. Also, supported thirty-five or so local users and assisted with support of users overseas. Software involved is Windows XP and 2000 (in English and Spanish), a replicated LDAP directory, IPsec VPNs, IMAP and web-based email, and custom database driven web sites on Apache.
- *January 22, 2002 - November 15, 2002: Network and Systems Engineer for Mach 10 Hosting*. One of a team of two in charge of about 180 customer machines for Mach 10's hosting and co-location business. Duties involved Intel-x86 based system builds and installs; network design, build-out, and maintenance; e-mail and DNS setup and maintenance; Apache web server configuration; custom software installation; MySQL database configuration; all manner of troubleshooting software and hardware; and direct customer support.
- *October 2, 2000 - May 11, 2001: Test Technician for Dell* [5] in the Linux Systems Group. Employed through Spherion [6] to test Red Hat [7] Linux [8] on Dell's PowerEdge server hardware. Ran various system, validation, and stress tests on shipping hardware and software as well as on pre-production hardware and pre-release software. Assisted other groups within Dell with Linux questions and issues. Found and documented problems and assisted engineers with development of solutions and/or workarounds. Testing and other work covered Dell's complete server line on Intel IA-32 (x86) and IA-64 (Itanium) architectures as well as 10/100/1000 Ethernet NICs in fiber and copper varieties.
- *June 1, 2000 - September 29, 2000: Network Systems Administrator at Travis High School (Austin ISD)* [9]. Responsibilities include maintaining the Netware 5 server and Novell Directory Services (NDS) tree; maintaining Windows based workstations and network-delivered images of said workstations (via Altiris' ImageBlaster product); maintaining the Linux based firewall/router/web-cache server; and maintaining Ethernet network infrastructure. Also add and modify software that is delivered to workstations using Novell's Z.E.N.Works product. Work with an Apple engineer to develop a desktop security, system restoration, and software delivery model for Travis' Mac OS based machines.
- *July 1999 - May 2003: Senior Network Analyst for Texas Information Services (TxIS)* [10]. Duties

include maintaining Linux based web, mail, ftp, and DNS servers, registering domains, configuring web hosting, and doing customer support. Wrote curriculum for and taught Linux firewall training class, and did client site support, maintenance, and setup of Linux servers. Built, upgraded, and maintained Intel and AMD based computers both for TxIS itself and for clients. Also configured and maintained Cisco and Pipeline (T1 and ISDN) routers for Internet access and for WAN/MAN connectivity. This varied over time from full time consulting (originally) to occasional weekend work.

- *September 1996 - May 1999: **Technology Assistant at Austin High School** (Austin ISD) [11].* Installed and maintained hardware, software configurations, and networks. Assisted in administration of networks. Responsible for training users and troubleshooting software, hardware, and networks. Helped design Austin High's technology plan. Member Austin High Technology Committee. Co-designer and former Webmaster of Austin High's web site. Also wrote documentation for various tasks such as image scanning and presentation setup.
- *1993 - September 2000: **Self employed computer consultant.*** Duties include setting up computers, software, networks, and peripherals; modifying and establishing configurations; troubleshooting problems with software, hardware, and networks; teaching/training in the use of systems once set up or fixed; advising clients on software and hardware purchases; and designing and maintaining web sites.

Skills

- Operating a variety of software packages including: Microsoft Office, OpenOffice/LibreOffice, Mozilla, Firefox, Microsoft Internet Explorer, Word Perfect, AutoCAD, the GIMP, Photoshop, GraphicConverter, PageMaker, Dia, e-mail software, file compression utilities, ftp, telnet, and ssh clients, VMWare, VirtualBox, Microsoft Hyper-V, Parallels Plesk, and cPanel/WHM.
- Repairing, installing, building, upgrading, and maintaining hardware such as: Macintosh systems (Motorola 68k, PowerPC, and Intel x86/x64), x86/x64-based PCs (Intel, AMD, etc.), and Apple IIs.
- Installing, configuring, and maintaining operating systems (environments) including: Linux (kernel versions 2.0.x - 3.x; distributions such as Debian, Ubuntu, Fedora, RedHat, CentOS, and Slackware), Mac OS (versions 6 - 9), Mac OS X, Mac OS X Server, MS-DOS, Windows 3.x, Windows 9x, Windows NT/2000 /XP/2003/2008/7, Citrix MetaFrame, OpenStep, and X11/X-Windows.
- Using operating systems such as: Solaris, OpenBSD, FreeBSD, BeOS, and all those included above.
- Configuring and/or using network related software such as: Apache, BIND (named), tinydns, MyDNS, Samba, Netatalk, nfs, ntpd, dhcpd, OpenSSL, ssh, rsync, ipchains, iptables, OpenBSD pf, keepalived, tcpdump, Ethereal/Wireshark, MRTG, Cacti, Squid, BackupPC, MySQL, PostgreSQL, OpenVPN, FreeS/WAN, OpenLDAP, Analog, Webalizer, Wusage, AWstats, Nagios, Postfix, Sendmail, qmail, Cyrus IMAP, SquirrelMail, Novell Netware, and various TCP/IP implementations.
- Configuring and/or using network related hardware such as: HP, Dell, and Brocade Ethernet switches, generic Ethernet hubs and switches, modems, Cisco, Juniper, Foundry/Brocade, and Ascend/Lucent routers, Brocade ServerIron load balancers, Cisco ASA series appliances, entry level Dell/EqualLogic and Compaq/Hewlett Packard SAN gear, and NetApp filers.
- Extensive experience with HTML and basic experience with CSS for the creation and maintenance of web sites.
- Basic programming experience in C, Pascal, PHP, Perl, Bourne Shell, and Python.

Education

- University of Texas at Austin [12], Fall 1996 - Spring 1998

- Graduate of Stephen F. Austin High School [\[13\]](#), Austin, Texas, May 1996

Date

- January 02, 2012

URLs

- [1] <http://www.opensource.org/docs/definition.php>
- [2] <http://www.gnu.org/philosophy/free-sw.html>
- [3] <http://www.hostway.com/>
- [4] <http://www.studiesabroad.com/>
- [5] <http://www.dell.com/linux/>
- [6] <http://www.spherion.com/>
- [7] <http://www.redhat.com/>
- [8] <http://www.kernel.org/>
- [9] <http://www.austinisd.org/schools/details.phtml?id=022>
- [10] <http://www.txis.com/>
- [11] <http://www.austinisd.org/schools/details.phtml?id=014>
- [12] <http://www.utexas.edu/>
- [13] <http://www.austinisd.org/schools/details.phtml?id=014>

Plain HTML Version: <http://www.arehart.net/resume.html>

PDF Version: <http://www.arehart.net/resume.pdf>

ASCII Text Version: <http://www.arehart.net/resume.txt>