

# Paul M. Archer

2520 Flagstone  
Plano, TX 75075  
972-310-4415

paul@paularcher.org <http://www.paularcher.org/resume>

## Objective

To obtain a permanent position with opportunities to utilize my knowledge and skills in Solaris/Linux/Unix and broaden my exposure to other environments and technologies.

## Skills and Qualifications

Sun Certified System Administrator

Sun Certified Network Administrator

Sun Certified Security Administrator

Sun Certified Instructor

Ability to script in popular shells (Bourne, Korn, BASH), Perl and Ruby

TCP/IP network experience with IPv4 and IPv6

DNS administrator

Virtualization experience (VMware and Xen)

Storage administrator (NetApp, SAN)

Experience with Solaris and Linux (Ubuntu, Slackware, SuSE, Redhat, OpenSolaris, Nexenta, other distributions)

Experience implementing and maintaining Apache, Sendmail, SpamAssassin, IMAP, NFS, NIS, DNS, JumpStart, NTP, CacheFS, AutoFS, RBAC, VNC, Xen, Vmware, Nagios, Jabber and SSH servers

## Work Experience

Masergy Communications, Inc.      Plano, TX July 2007 to present

*Senior Unix Systems Administrator*

Responsible for the maintenance of mission-critical servers throughout a global network.

Installed, configured, and deployed new enterprise servers. Planned, built, and configured new SAN with distributed filesystem (GPFS) to support world-wide data collection system. Built new Xen virtualization server and implemented VMs for wikis, mail, etherpad, jabber, and other services. Built and maintained monitoring systems (Nagios). Participated in various network and equipment upgrades. Designed and built tape-based backup system currently used to backup Oracle databases company-wide.

Baylor College of Medicine, Human Genome Sequencing Center      Houston, TX      July 2004 to June 2007

*Senior Systems Administrator*

Responsible for maintaining data center of approximately 150 machines.

Maintained servers running Apache, DNS, NIS, NFS, Jumpstart, and other services.

Evaluated, purchased, and configured systems to support user environment and production pipelines for the Human Genome Sequencing Center bioinformatics group.

Designed, built, and implemented a disk-based data archive system to handle long-term storage of data produced by the DNA sequencers at a price point less than that of a tape system.

Assisted in the design and implementation of a new network infrastructure and a new production environment, including building and configuring new infrastructure, login, and production pipeline servers.

Evaluated and implemented virtualization solutions including Vmware, Xen, and OpenVZ/Virtuozzo.

Configured, customized, and maintained Nagios monitoring solution.

## Independent Consultant

Houston, TX      March 2003 to July 2004

*Consultant*

Setup and maintained multiple Linux servers for several clients, including web and mail services.

Implemented customized spam-filtering solutions using SpamAssassin and Bayesian filtering.

Wrote and maintained firewall scripts.

Monitored systems using Tripwire and similar technologies.

Implemented Xen virtualization and redeployed physical servers as virtual machines (p2v migration).

## AISG/Argenta Technologies

Houston, TX      March 1999 to April 2004

*Sun Certified Solaris Administrator/Network Administrator/Security Administrator/Instructor*

Maintained multiple servers running Apache, DNS, NIS, NFS, DHCP, Jumpstart, and other services.

Was responsible for the support of over 40 desktop machines in both office and classroom environments. Evaluated, recommended, and implemented hardware changes.

Certified in over 10 of Sun's core courses, covering Solaris 2.5.1 through Solaris 9, and including Intermediate Solaris System

Administration, Advanced Solaris System Administration, Solaris TCP/IP Network Administration, Sun System Fault Analysis, Shell Programming for System Administrators, Perl Programming, Administering Security for Solaris, and Network Intrusion Detection. Taught basic to advanced system, network, and security administration (OS installation, user administration, NIS, NFS, open source security applications, and more) to over 1000 students from companies such as Exxon Mobil, Shell, Schlumberger, the FAA, Baylor College of Medicine, IBM, and JP Morgan Chase.

### **Barrios Technology, Inc.**

Houston, TX    November 1997 to February 1999

#### *Sun Certified Instructor*

Taught Sun Education courseware in a classroom environment.

Maintained classroom equipment, set up for classes, and maintained and upgraded the training center server.

### **Seasoft Microcomputer Applications**

Houston, TX    July 1996 to November 1997

#### *Software Technical Support*

Responsibilities included providing support, maintenance, and upgrades to approximately 200 UNIX systems, performing troubleshooting and testing of custom software; and helping clients use custom medical accounting software to bill patients and insurance companies, run reports, and perform other tasks.