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## OBJECTIVE

Senior UNIX System Administrator  
(SAGE Level III/IV Administrator)

## TECHNICAL QUALIFICATIONS

**Operating Systems:** UNIX (RedHat Linux/FreeBSD/Solaris/IRIX), Windows 95/98/NT/2000/XP, Mac OS X, plus some exposure to OpenBSD, HP-UX, AIX & Plan 9

**Software tools:** Kickstart, RoboInst, Veritas NetBackup, BudTool, Bacula, HP OpenView, Webmin, RT, VMWare Workstation, phpMyAdmin, Bugzilla, Ethereal, Samba

**Network services:** Web (Apache), Mailing lists (Mailman), Email (Postfix; Sendmail; POP/IMAP; Squirrelmail), DNS (BIND), NFS, DHCP, NTP, SSH, VPN

**Security:** Linux and FreeBSD firewalls (ipchains/iptables/ipfilter), SonicWALL firewalls (Pro 330/Pro 4060/TZ 170), Spam filtering (SpamAssassin), Virus scanning (amavisd+clamav), Symantec Anti-Virus Corporate Edition, Webroot Spysweeper Enterprise, Vulnerability scanning (Nessus; Snort/ACID)

**Networks:** Ethernet, FDDI, ATM & Wireless (802.11b/g) in a LAN/VLAN environment

**Hardware:** SGI, Sun & HP workstations/servers, PCs, Network Appliance file servers, Fore ATM switches, Fore PowerHub router, Cabletron FDDI concentrators, HP ProCurve switches

**Database Mgmt.:** Some MySQL & some Sybase

**Current Exposure:** RHEL Xen Virtual Machines, Perl, SVN, MediaWiki, Cacti, AWStats, PHP

## EXPERIENCE

**blog.psmxy.org**

iPhone Software Repository

August 2007-Present

I run a software repository of native, pre-SDK software ("jailbreak") for Apple's iPhone and iPod Touch. I conceived of and run the project.

- Original site: Single desktop PC on a shared 1.5Mbit SDSL line and a single static information page.
- September 2007: Balanced bandwidth across multiple hosting accounts. Provided some developers with private access to download statistics via AWStats.
- October 2007: Replaced static information page with a blog.
- December 2007: Replaced AWStats with home-brew solution using MySQL plus shell, perl and php scripting to pull/process the logs and integrate the results into the public blog.
- February 2008: Site grew to two dedicated servers with 100Mbit connections, accessed as one server, via round-robin DNS. I set up and maintain the servers; installed and configured Cacti for monitoring.
- The site currently earns income via advertising revenue and donations. The servers and bandwidth are provided for by two sponsors, in return for acknowledgment on the blog site and other attributions.
- Currently more than 1 million hits per day. 50% are package downloads; 50% are downloads (by Installer.app) of the XML file that describes the packages available.
- Hosting 270 individual packages (and growing).

Support services to developers whose applications I host:

- QA and acceptance testing of applications
- Cleaning and packaging for use with Installer.app
- General suggestions and troubleshooting.
- Notifying users of updates (and posting of their changelogs) via the blog.

## User Support:

- I provide support via email, IRC and the blog for the applications in the repository.

**Independent Consultant** to GoGoApps, Inc.

February 2008

Performed basic installations of SVN and MediaWiki for Intranet use. All employees telecommute, so I set up secured access to both applications.

**System Administrator IV**, Vonage, Holmdel, NJ

August 2006-April 2007

Part of a team that performed installation, upgrading and troubleshooting of approximately 4000 Linux servers in Development, QA and Production Call Processing. Responsible for immediate, 24x7, on-call support for all issues affecting Production. Responsible for updating/troubleshooting computing infrastructure, such as DNS/DHCP servers; sudo permissions; kerberos servers and authentication; kickstart servers and installs; adding/removing routes and firewall rules; email servers; server communications with centralized SysAdmin tracking database. Administered non-Call Processing production servers, such as customer-facing web servers and trouble-ticketing servers (RT).

**Independent Consultant** to Black Dog Software Group, Inc., Warren NJ

December 2005-Present

Perform remote Linux and Windows System Administration duties, as needed, such as laptop installs, management of daily backups, upgrade and maintenance of mail and backup servers, recovering from power outages, and end-user support. Essentially, I'm continuing my previous responsibilities to them, but on a scaled-back basis, after a significant downsizing in November 2005. In October of 2007, I successfully relocated their computing infrastructure when the company moved to a new location.

**Director of IT**, Black Dog Software Group, Inc., Warren, NJ

April 2004-November 2005

**Functionally: Senior System Administrator in a One-person IT Department.** Instituted regular, automated, server backups to tape, stored off site with Iron Mountain. Setup and maintenance of several firewalls. Re-installed/re-configured core services/systems to bring stability/reliability to the computing environment. Setup and maintenance of Linux and Windows servers comprising the Staging and Production platforms for our product (the company is an ASP). Developed procedures for deploying product to Production and rolling back when necessary. Worked closely with Development and QA to launch our product and assisted them with debugging it. Provided day to day end-user support for BDSGI's employees as well as providing support to our customers, whenever they encounter any issues accessing our product over the Internet. Set up centrally managed anti-virus/anti-spyware software for all Windows systems. Approved all hardware and software purchases. Interacted with vendors, managed software licensing compliance, acquired SSL certificates, handled renewal of hardware maintenance agreements, managed domain transfers/registrations, and other tasks, as needed, to handle the ongoing IT needs of a small software firm.

**Independent Linux Consultant (to Streambolt.com)**, North Plainfield, NJ

2001-2004

System and software installations/upgrades. Periodic onsite and remote maintenance/troubleshooting. Intrusion recovery. Firewall setup. Security audits. Configuration and maintenance of web servers, mailing lists and email servers with anti-virus/anti-spam measures.

**Senior System Administrator**, Bell Labs Research, Lucent Technologies, Murray Hill, NJ

1997-2002

(Contractor from Cap Gemini America, 1997-1998 & GBV Tech. Services, Inc., 1998-2000; Lucent employee from 2000-2002) UNIX/Linux administration in a heterogeneous and distributed computing environment consisting of 60+ SGI workstations, 100+ PCs (NT/Linux dual boot) and various SGI, Sun, Linux and Network Appliance servers, with some NT duties. Installed, configured, maintained, upgraded, troubleshot and consolidated: computer room networks, servers and backup hardware/software. Automated operating system installations, producing shorter install times, stable and consistent computing platforms, and easier troubleshooting. Moved heavily cross-mounted file service from compute servers, onto centralized file servers, producing fewer inter-server dependencies, increased server stability and vastly simplified backups. Maintained and modernized computer room, including introduction of UPS coverage, installation of overhead cable trays, and complete recabling.

Improved server stability dramatically – uptimes went from less than a week to over a year. Responded to daily user help requests.

**System Administrator**, Bell Labs, AT&T/Lucent Technologies, Murray Hill, NJ 1995-1997  
(Contractor from Cap Gemini America)

Set up DNS servers, replacing 80,000 line hosts file, greatly improving system connection times. Upgraded 10Mb network from shared to switched, dramatically improving throughput, allowing more Researchers to simultaneously develop & test streaming audio/video software, significantly improving their productivity. Set up automated, centralized network and systems monitoring. Installed and configured Sun servers and workstations. Transitioned network and clients (new DNS domain, IP and email addresses) due to company divestiture. Approved all hardware and software purchases. Introduced UPS coverage for servers. Maintained email system. Responded to daily user help requests.

**Team Leader – Content Importation Group**, Bell Labs, AT&T, Murray Hill, NJ 1994-1996  
(Contractor from Cap Gemini America)

Managed project and personnel. Reengineered importing process (scanning, image enhancement, proofing and distribution) in the RightPages project (allowed viewing medical/technical journals online, before the web). Provided customer support. Doubled group's efficiency by automation of tasks and introduction of state-of-the-art de-skewing, de-speckling & OCR software obtained by developing contacts in Research. Project System Administrator (Sun servers & workstations).

**Software tester/distributor**, AT&T Microelectronics, Allentown, PA 1988-1994  
(Contractor from Cap Gemini America)

Testing, licensing and distribution of a large (50+ programs; 4+GB) CAD/CAE software system. Test bed management. Worked closely with Sun & Vax System Administrators, company-wide, to debug network stability & system configuration issues relating to deploying & installing the software.

## PUBLICATIONS

*Automating Dual Boot (Linux & NT) Installations*, Proceedings of the Large Installation System Administration (LISA) Conference, December 2000, with Rajeev Agrawala and Robert Fulmer

## EDUCATION

B.A., Computer Science & Business Administration with MIS concentration, Jamestown College, ND  
Netbackup – Unix, Veritas training course  
Advanced Netbackup – Unix, Veritas training course  
SonicOS Enhanced – SonicWALL training course