William S. Eichin

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A goal−oriented individual with significant on−the−job experience and an in−depth technical and electronic background, looking to further my career in Information Systems, with emphasis on UNIX and Linux solutions.

Linux Experience

- Linux user: 10 years
    - Tested every major distribution
    - Primarily use Debian, RedHat distributions
- Linux Systems Administrator: 7 years
    - Built and maintained web services
    - Worked with embedded Linux
    - Installed, managed RedHat, Debian servers
    - Custom perl scripts to automate administrative tasks
- Linux Firewalling: 5 years (IP masquerading, IP tables)

Work Experience

Consultant, Backwoods Technologies LLC *January 2002 − present*
- Company set up to provide web hosting. Later became a consulting firm after layoff from Hippo Incorporated, following the events of September 11, 2001.
- **Subcontract to LanStatus, LLC for Unix Systems Administration** *August 2003 − present*
    - Greenwich−based hedge fund (Amaranth Advisors, LLC) experiencing phenomenal growth takes on outside consultants to meet short−term requirements
    - Brought in by LanStatus as Unix Systems Administrator with strong Sun and Linux background
    - Point−of−contact for outside (secured) vendor data streams, reducing developer support
    - Answering directly to the VP of IT
    - Troubleshooter providing "disinterested viewpoint" for the core software development group (Java, Perl, shell scripting, UNIX tools)
    - Trained end−users and other admins on the use and functionality of PGP on desktops and servers
    - Work with Network Engineering to identify potential security issues
    - Administered network−wide backup services
    - Primary systems administrator for 12 Sun servers
- *Subcontract to Amsys for evaluating network security − January 2001 − present*
    - SCO unix server on company intranet
    - Windows 2000 server on company intranet
    - Working with Amsys to develop and implement solution to customer's needs for security, functionality and support.
- *Subcontract to Amsys for troubleshooting mixed network*
    - IBM unix server with multiple terminals in retail environment
    - Server and Windows 2000 clients all connected to in−house network
    - Configure Netopia firewall/router for DHCP and firewalling

- Use Win2k Unix printer support to share line printers across network
- *Contract with Maplegate Media Group for startup support*
    - Customer planned to go from empty office to fully staffed in two weeks
    - Tested, upgraded existing phone and network wiring
    - Installed eleven new computer workstations, plus one file server
    - Tested and configured PBX to customer's initial requirements, including voice mail
- *Subcontract to Gateway Graphics for PBX and network support − two weeks*
    - PBX migration from 24 analog POTS lines to 16 channels of DS1 + 8 channels data
    - Replace voice mail system, reprogram phone system
    - Troubleshoot firewall configuration (RedHat Linux 7.2). Provide Sales, Production and Accounting networks with Internet access.
    - Troubleshoot web site and email hosting. Both resolved in−house, on a tight schedule, when previous ISP dropped service prematurely.

Systems Administrator, Hippo Incorporated *October 2000 − December 2001*
- Specify, purchase and install new network hardware to accommodate recent growth
    - Installed hubs and switches. Installed wiring, including in−wall keystone panels. Built "server farm," installed UPS and power management software across Linux and Win2k platforms for managed power−up and power−down.
    - Installed RedHat Linux on Dell file server. Configured DHCP, BOOTP, TFTP, SMB/CIFS, Arkeia backup, X11, CVS/RCS, PostgreSQL, and custom SDKfor in−house software development.
- Installed, configured, and modified several web−based applications for in−house task management
- Managed technical details of hosted web site (secure server, pgp encryption and key management)
- Debug network−related traffic issues
- Evaluate new requirements
- Promoted the use of Linux

Systems Administrator, Kimchuk Incorporated *1996 − October 2000 (titled: March 2000 − October 2000)*
- Install, upgrade, debug, administer and manage all functional aspects of:
    - SCO 5.0.5 Unix server
    - Novell 4.11 file server
    - Debian 2.1 Linux firewall
    - Linux−based TCP router
    - Leased line and stat mux to remote branch
    - 35 Windows clients on two TCP−IP−based networks in−house (build, upgrade, debug)
- Coordinate hardware and software requests. Present details to directors. Source material and coordinate installation efforts.
- Administer to details of the business software package, ProfitKey. Answer in−house technical questions, engage the vendor for action requests. Track open issues with vendor. Install vendor−supplied patches. Build original shell scripts and perl code for custom data−handling requirements.
- Develop, implement and enforce companywide backup procedures on all servers. Responsible for backup and restoration of all critical company data.
- Direct involvement in any non−production technical issue, eg telephone and internet

Hardware
I386 Motherboards: Asus, Abit, Micronics, Spacewalker, ALi &c.
Video: Number Nine, Matrox, Diamond, S3
SCSI: Adaptec, Advansys, Symbios, NCS, DPT, Mylex/BusLogic
Serial: Equinox, Digi, Cyclades
Sound: Ensoniq, Turtle Beach, Creative Labs, Yamaha

Software
Microsoft Office, Sun StarOffice, McAfee Office, OpenOffice
Micrografx Graphics Suite
Communicator,Internet Explorer, Lynx, Mozilla, Mosaic, Galeon, Opera
PGP (all platforms)

Network cards: HP, 3Com, Intel, SMC, Linksys, D–Link, MultiTech

Modems: 3Com/USR, Aureal, Motorola, Hayes, Practical Peripherals

Systems: Sun, HP, Compaq, Gateway, Dell, IBM

Sun: Enterprise 4500, Netra 1280, Fire V280, V440, V480, 6800, cp1500

Connectivity
Line equipment: Multitech, Rolm, Sage, Fireberd, Microcom
PDAs: 3Com PalmPilot
Routers: linux routed, cisco 16xx, 25xx, 27xx
Firewalls: linux ipmasq (and iptables) with squid distributed caching proxy
Email: sendmail, exim with fetchmail, postfix, qmail
Protocols: TCP, IPX, SMB/CIFS, FTP, SSH &c.

Databases
MS Access
Borland Paradox
PostgreSQL
MySQL
Relativity ODBC Bridge
Oracle 8, 9
Sybase 12.5 ASE

Operating Systems

Linux (Red Hat, Debian, SuSE, SLS, Slackware)

MS–DOS, PC–DOS, Microsoft Windows 3.1, 95, 98, 2000, XP
IBM AIX, HP–UX
SCO OpenEnterprise Server 5.0.x
Novell Netware 4.11

Sun Solaris 8, 9

Languages

Bash, perl, HTML
Borland PAL, Fortran, VBA, C

Platforms
Intel
Sun SPARC, ultraSPARC
IBM RS6000
HP PA–RISC

Additional Experience

- Independent consultant, 1998 – present
- Danbury Area Computer Society, *dacs.doc*: "Linux Keeps You in Control," February 2003
- *Electronic Design Magazine:* "Ideas for Design: An Internet Oven Monitor," 17 December 1999

References

- Jay Singh, CS Computers. (860) 210–1683.
- Brian Mullins, Engineering Manager, Standard Pneumatic Products. (203) 270–1400.
- Ken Berg, Manager of Consulting Services, Amsys Consulting LLC. (203) 431–4000.
- Brian Diamond, CEO, LanStatus LLC. (203) 459–0488.
- Paul Gaffney, Technical Sales, LanStatus LLC. (203) 858–8978.