

Ronald D. Nelson II

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PROFESSIONAL SUMMARY

Accomplished, resourceful Systems Administrator with over 12 years experience in UNIX, Linux, Windows and Macintosh networking and security. Expertise in mission-critical operations, firewall configuration, system migration, systems engineering, DNS and Internet/Intranet.

- Possesses in-depth knowledge of technologies, architectures and platforms, and applies them to increase efficiency, reduce costs and maximize productivity.
- Exceptional ability to explain complex technical concepts to diverse audiences. Strong team leader and mentor, able to teach effective troubleshooting techniques and network principles.
- Innovative thinker, bringing dynamic solutions to difficult or high-pressure situations. Consistent, dependable performer who thrives on challenges and always delivers on commitments.

TECHNICAL SKILLS

Platforms:	HPUX, Linux, Sun Solaris, Digital (Tru64), AIX, FreeBSD, OpenBSD, Windows, Mac OS X, IOS
Databases:	Oracle, Sybase, SQL Server, MySQL
Networking:	TCP/IP, AppleTalk, UDP, 3com, Cisco
Protocols:	PPP, DHCP, TELNET, SSH, FTP, HTTP, SMTP, POP, IMAP, UDP, SMB, NFS
Firewalls:	Checkpoint, Sonicwall, Watchguard
Web Servers:	IIS, Apache, Tomcat
Mail Servers:	cc:mail, Exchange
Backup/Recovery:	CAM, ADSM, Omniback, Backup Exec
RAID:	MTI, Dell, HP
Hardware:	HP N-Class, Intel, Apple, Sun, Digital, IBM RS6000 (P-Series), Cisco, 3com
Languages:	Perl, Shell

PROFESSIONAL EXPERIENCE

Complete Programmer Network, Golden, CO Contractor	02/2004 – Present
	5 Years

Client: Manheim Auto Auctions

Software Maintenance, Production Support, System Administration

- Supported and when necessary wrote or modified programs needed for importing or exporting data from Sybase database
- Wrote and maintained shell and Perl scripts used to monitor and notify of issues via email
- Day to day maintenance as necessary to keep production systems running smoothly
- Configured and maintained Fedora Linux box used for build/test Tomcat environment
- Updated/modified java web application to support changing business needs.

Environment: Solaris, Linux, Windows XP, Sybase, SQL, shell, Perl, SSH, Apache, Tomcat

CTG, Englewood, CO
Contractor

11/2003 – 1/2004
2 months

Client: IBM

Helped UNIX administrators manage workload by taking on various tasks.

- Configured new SunFire servers using jumpstart.
- Configured system controllers for networking and then updated firmware on all SunFire 3800, 4800, and 6800 machines.
- Documented all Avocent console switches in Datacenter. Verifying which port went to which server.

Tactical Security Solutions, Fort Collins, CO
UNIX Administrator/Security Specialist

02/2002 – 01/2003
1 year

Co-founded a company to provide comprehensive network security and systems administration solutions to clients in varied industries.

- Planned, troubleshot and repaired multiple Linux servers and an HPUX N-Class server.
- Configured Sonicwall GMS on Windows 2000 Server/SQL Server 2000 and managed 20+ Sonicwall firewalls across the U.S. using the tool. Also administered Checkpoint Firewall-1 on a Linux server.
- Functioned as Oracle DBA, starting and stopping databases/listener and performing upgrades/patches. Supported DBA and SQL developers with UNIX configurations and tuning.
- Supplied expertise to GIS users/developers on ESRI products.

Accomplishments:

- Successfully rolled out security solution nationwide, generating significant additional company revenue.
- Obtained a contract to support a geo-spatial mapping group of a Fortune 500 agricultural company, due to UNIX expertise.

Environment: HPUX, Solaris, Linux, Mac OS X, FreeBSD, OpenBSD, Windows 2000, Windows XP, Oracle, ESRI, shell, Perl, Samba, SSH, X Windows, XFree86, Bind, Sonicwall, Watchguard, Checkpoint, Cisco, 3Com, VPN, Snort, Nmap, Omniback, Backup Exec, Exchange Server, SQL Server

Vantage Point Network and John Deere,
Fort Collins, CO
Senior UNIX Administrator

02/2000 – 02/2002
2 years

Effectively managed 2 HPUX N-Class, 2 Sun Solaris and 5 Linux servers for an Internet start-up company funded by John Deere.

- Co-monitored/reprogrammed local and Internet routers and switches.
- Skillfully mentored team members in UNIX administration principles.

Accomplishments:

- Implemented a disaster recovery plan by engineering a new backup solution for HPUX servers.
- Played key role in installing a redundant Internet connection with automatic fail over, improving systems' uptime.

Environment: HPUX, Solaris, Linux, Mac OS X, shell and Perl scripting, Windows 2000, Windows XP, Oracle, ESRI, Samba, SSH, X Windows, XFree86, Bind, Checkpoint, Cisco, 3Com, Spectra Logic, Omniback, Backup Exec, Exchange Server 2000

DynCorp I&ET/SEMA, Golden, CO
UNIX Administrator

09/1997 – 11/1999
2 years 5 months

Client: Rocky Flats

Provided 24x7 UNIX and Windows support, email migration and systems engineering expertise to Department of Energy's nuclear superfund site.

UNIX Administrator (09/98-11/99)

- Configured 20 new UNIX servers (Sun, DEC, AIX and HPUX), including TCP/IP, kernel parameter changes, RAID arrays and adding memory or CPUs
- Worked with Oracle DBA in configuring MTI raids arrays, moving filesystems, tuning database and verifying hardware integrity.
- Handled backups/restores using Storagetek CAM and IBM ADSM tools on UNIX/NT servers, including network shared folders and remote profiles for NT users' desktops.

Accomplishments:

- Implemented 2 DNS servers in a master/slave configuration, ensuring availability of domain names to access network resources.
- Mentored Helpdesk personnel in troubleshooting processes, resulting in quicker phone problem resolution and reducing in-person desktop visits.

Email Administrator (05/98-09/98)

Managed all aspects of Office97 rollout and migration, from cc:mail to Outlook/Exchange. Created laptop configuration solution with site specific registry files and provided day-to-day mailbox maintenance and tuning.

Accomplishment:

- Created migration plan and drove to successful completion, reducing processing time from 20 minutes to 5.

Systems Engineer (09/97-05/98)

Effectively supported Windows/MacOS networks, MS Office, cc:mail and Netscape.

- Supported users in connecting to and navigating an NT network, IBM MVS mainframe, VAX cluster, UNIX servers, and Intranet/Internet.
- Assessed and forwarded problems requiring field technician visits.

Accomplishment:

- Received commendation from IT Director for efficiently deploying an accelerated rollout of 180 NT workstations within 10 days.

Environment: NT Workstation/Server, Windows 95, Mac OS, cc:mail, Exchange Server 5.5, Digital UNIX (Tru64), HPUX, Solaris, SunOS, AIX, SCO UNIX, shell scripting, VMS, MVS, Bind 4, X Windows, CAM, ADSM, Remedy, Openview, Spectrum, Platinum Autosys (CA)
