

Michael S. Mell  
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**Summary of qualifications:**

UNIX System Administrator with over eighteen years collective experience in the data processing field, including computer operations, programming, program engineering and system administration. Ability to design and implement hardware and software changes, manage systems and networks, interface with users and management, and troubleshoot and correct hardware and software difficulties.

**Operating Systems, Software, Programming Languages and Hardware:**

UNIX ( LINUX, Solaris, AIX, HP-UX, SINUX, Reliant UNIX), MS-DOS, Windows 95/98/NT/2000/XP

NIS/NIS+, DNS (BIND4 and BIND8), NFS, TCP/IP, NTP, automounter, sendmail, apache, samba, iptables and ipchains, Exceed, ReflectionX, CA-Unicenter, MS-Office (Word, Access, Excel, PowerPoint, Outlook)

C, M (MUMPS), Pascal, Fortran, HTML, sh/ksh/bash, awk/sed

**Professional Experience:**

April 2008 - Present, InfoGroup Sales Solutions, Omaha NE  
UNIX System Engineer

- Provided Linux and Solaris support in a dynamic, fast-paced IT environment
- Supported mainframe/UNIX integration activities
- Utilized VMWare and Xen to provide virtualization and clustering services

November 2005 - April 2007, CDI Corporation, South Charleston WV  
Consulting UNIX System Administrator

- Provided UNIX infrastructure support and assistance to BlueGene development team while assigned to International Business Machines in Rochester MN
- Installed, configured and used HMC's (Host Management Consoles) to configure and maintain multiple POWER architecture hosts running in LPARS (Logical Partitions).
- Installed and maintained multiple Linux servers (SuSE, multiple versions), both POWER4/5 (PPC) and Intel architecture
- Maintained multiple Linux (RedHat) and AIX servers in a customer-facing environment
- Maintained existing AIX workstations in the Customer On-Demand center (customer-facing functionality)
- Diagnosed and corrected hardware and software errors in a highly dynamic development environment
- Installed, configured and utilized IBM Cluster Server Manager (CSM) to install and configure large numbers of POWER5 systems (NFS servers, DB2 servers, workstations)
- Installed, configured and utilized PXE boot (tftp, nfs) to install and configure large numbers of Intel systems (NFS servers)
- Investigated suitability of Xen virtualization (Intel architecture) as a potential adjunct to IBM's existing ASM/HMC/Hypervisor based virtualization (POWER5 architecture)
- Provided assistance to development teams in the diagnosis and correction of deficiencies within the BlueGene hardware/software environment
- Proactively monitored BlueGene hardware to assist in prevention/diagnosis of hardware failures
- Utilized Tivoli software to back up/restore sensitive data as required

August 2004 - August 2005, Menard Inc., Eau Claire WI

UNIX System Administrator

- Administered and maintained multiple HP, SUN and Intel servers running OS/2, SCO, RedHat LINUX, HP-UX and SOLARIS operating systems
- Administered HP ServiceGuard clusters, NIS, DNS and other UNIX core services
- Gathered, archived and analyzed SAN operating statistics to proactively ensure resource availability
- Utilized Veritas volume manager to monitor and maintain server storage
- Installed and implemented job scheduling software (ROC Maestro for Open Systems)
- Provided third-tier application, operating system and hardware support, including on-call support.
- Assisted in analysis to determine suitability of RedHat Linux as a replacement for existing SCO Unix systems

March 2002 - June 2003, Xerxes Computer Corporation, Minneapolis MN

Hardware Engineer

- Identified, tested and inventoried assorted SUN servers and associated peripheral devices, expansion cards, etc.
- Implemented SUN Jumpstart to streamline installation and testing of new/unknown hardware (SPARC architecture)
- Filled sale orders from inventory, tested all components prior to shipping
- Provided second-tier telephone customer support (hardware and OS level support)
- Assisted other personnel in similar activities under AIX (POWER) architecture

June 2001 - January 2002, Sapphire Technologies, Inc., Chicago IL

Consulting UNIX System Administrator

- Performed assigned duties while on assignment to Abbott Laboratories
- Designed, coded, tested and implemented ksh and perl scripts
- Assisted internal customers in a timely and efficient manner

March 2000 - May 2001, Hull Trading Company L.L.C., Chicago IL

Associate, Systems Administration

- Designed and implemented graceful power down procedure for multiple networks, accounting for NFS, DNS, NTP and other dependencies
- Troubleshoot and corrected hardware and software deficiencies in a multi-network Solaris 2.6/Solaris 2.8 based production environment
- Installed, tested and evaluated third-party Performed routine system monitoring and maintenance
- Provided internal customer support

February 1999 - March 2000, Equifax Knowledge Engineering Inc., Lombard IL

Systems Administrator

- Implemented SAMBA SMB server to provide WINS, file and printer sharing services for Windows 95 PC's within corporate network
- Monitored multiple UNIX (Solaris, DG-UX, SINUX) systems; identified, diagnosed and corrected hardware and software failures in a timely fashion
- Administered NIS+ database

June 1997 - January 1999, Siemens PT&D L.L.C., Brooklyn Park MN

Application Engineer

- Administered multiple UNIX (SOLARIS) workstations and servers in a development environment for turnkey systems, including software and hardware installation, user administration and file/database backup/restore procedures
- Provided mechanisms for installation and removal of software, including project code changes and vendor supplied OS patches
- Completed project from initial implementation to delivery in a timely fashion with no variances from contractual specifications

October 1995 - March 1997, Professional Consulting Services Inc., Chicago IL

Technical Support Analyst

- Installed and implemented CA-Unicenter in a variety of UNIX environments
- Provided recommendations, support and coded solutions to client companies using shell scripts (ksh, awk/sed), MS-Visual Basic and C

March 1989 - June 1995, Idelman Telemarketing Inc., Omaha NE

Scripting Technologist

- Designed, coded, tested and implemented databases and user interface software in a MUMPS/AIX environment

**Education:**

AA, Computer Science, Gateway Institute, Omaha NE, June 1987, Honors Graduate (GPA: 3.97)

Solaris Systems Administration, SGI Training, Inc., Minneapolis MN, September 1998

**References:**

Professional references are available upon request.