

SUMMARY:

- Network/Systems Administrator with sixteen years of experience (twenty-seven in industry)
- Extensive LAN management experience with Cisco, Windows, and Unix
- Expertise with varied wireless networking platforms, security systems, database administration, capacity planning, disaster recovery planning, and WAN management
- Broad experience with Unix systems (Linux, Solaris, DEC, AIX, HP-UX, SCO)
- Developed backup and recovery strategies for mainframe, Unix, Netware, and Windows platforms using ADSM, Sysback, Arcserve, and Backup Exec as well as standard operating system utilities.
- Excellent organization, communication, and project management skills with commitment to team building, knowledge sharing, and innovation.

SOFTWARE/HARDWARE:

Cisco IOS, Unix shells, Perl, Oracle, SQL, Progress 4GL, COBOL, Business Basic, Arcserve, Backup Exec, ADSM, Sysback, Assembler, Visual Basic, JDEdwards OneWorld, Microsoft Office, EtherPeek

PCs (Windows 95/98/NT/2000/XP/2003, Linux, Solaris, SCO, Netware)

IBM RS/6000 (AIX)

Sun (Sun OS/Solaris)

HP9000 (HP-UX)

IBM 370/4300 (DOS/VM/VSE)

Cisco 2500, 2900, 2950, 4500, 5000, 5500 (IOS)

3Com 3300, Linkbuilder

Foundry FastIron (Ironware)

Olicom, 3Com, StarTek (Token-Ring)

SMC (ArcNet)

Cisco, Lucent, D-Link, Linksys, Proxim (Wireless)

EXPERIENCE:

Systems Programmer, Principal, University of Arizona, Department of Computer Science, January 2005 to present

Systems Programmer, Senior, University of Arizona, Department of Computer Science, November 2001 to January 2005

Environment: Windows 9x/NT/2K/XP, Linux Fedora/RedHat/Debian/Suse, Sun OS/Solaris, IBM RS/6000, AIX, DEC Unix, Cisco IOS, Cisco and Lucent Wireless, Oracle, Microsoft SQL Server

- Maintained network infrastructure (routers, switches, terminal servers, cable plant, wireless devices) by coordinating user and group needs, implementing features for improved flexibility and performance, monitoring device statistics, traffic analysis, maintaining IOS software versions, managing maintenance contracts, and controlling power distribution. Upgraded core switches to provide gigabit to the desktop. Upgraded wireless network.
- Managed security of network resources via access control lists, MAC filtering, Wireless controls, and automated patch scans for desktops/laptops. Maintained patch levels on network equipment, Windows servers, Oracle and SQL Server systems.
- Monitored networking for existing PC clusters, researched and implemented gigabit network for new 32-node cluster, and developed web-based reservation system.

- Advised faculty, staff, and students on use of computer systems and network.
- Maintained department IP address space (DNS and DHCP).
- Documented existing network hardware, software, protocols, and methods. Developed web pages on policies, procedures, and best practices. Maintained inventory files.
- Planned and implemented wiring upgrades in student/research labs, created new infrastructure on additional floor assigned to department, coordinated Wireless link upgrade to remote office space.
- Maintained Oracle and Microsoft SQL Server installations.
- Assisted with maintenance of department PCs.
- Served in key role on committee for campus-wide wireless

Unix/NT Systems Administrator, CardSystems, April 2001 to June 2001

Environment: HP9000, HP-UX, Windows NT, Oracle, SQL

- Managed all Unix systems for multiple locations. Corrected errors in setup, developed scripts for checking and automating key events, implemented improved backup strategy.
- Performed local Oracle DBA functions and developed SQL reports.
- Provided consulting support on LAN, WAN, DNS, Security, and PC support issues.

Manager of IT, ANGUS Chemical Company, May 1996 to June 2000

Environment: Windows 95/98/NT, Netware, RS/6000, AIX, HP9000, HP-UX, Sun SPARC, Sun OS/Solaris, Linux, Cisco IOS, Oracle, SQL, Progress, JDEdwards OneWorld, Business Basic, ADSM, Sysback, Arcserve, Backup Exec, Checkpoint Firewall-1

- Managed LAN, WAN, Web, PC Support, Security, Disaster Recovery, and Telephone systems. Installed upgrades and new products, monitored hardware and capacity requirements, developed backup and recovery schemes, and developed SOPs for routine tasks. Worked closely with Information Systems group in monitoring and troubleshooting applications.
- Performed all systems administration for RS/6000, Solaris, and Linux systems and all database administration for Oracle and Progress. Developed scripts for automated activity monitoring and alerts as well as problem diagnosis. Provided support for Unix systems used by other locations or groups.
- Led IT transition into new parent company. Managed conversion of Netware servers to NT and coordinated changes in WAN, workstations, backup, security, and telephone systems.
- Headed IT implementation of ERP system. Coordinated installation of Unix and NT servers, revamped network infrastructure, managed client PC installations, performed database administration, integrated with legacy systems.
- Drove multi-site upgrade to Netware 4 – including planning, domain and partition layout, and installation.
- Maintained overall system and network uptime of 99.3%. Instituted changes in helpdesk support that doubled rate of support calls completed within 30 minutes.
- Created security policy and led efforts to protect systems. Re-engineered domestic WAN and installed Firewall to reduce exposure.
- Developed and managed departmental budget.

Systems Administrator, ANGUS Chemical Company, August 1992 to May 1996

Environment: Windows 95/98/NT, Netware, RS/6000, AIX, HP9000, HP-UX, Cisco IOS, Progress, Business Basic, Sysback, Arcserve, IBM 4300, VM/VSE, COBOL, Assembler, CICS

- Managed LAN and WAN. Performed all administration on Unix systems, Progress database, and Mainframe. Managed Netware and NT administration while maintaining hands-on support.
- Coordinated application maintenance and development on Unix and Mainframe systems.
- Developed programming standards for Progress development environment.
- Created Sales Information reporting system using Progress.

- Designed and implemented LAN in new corporate office building.
- Developed SOPs for Backup/Recovery and system administration tasks.
- Implemented corporate Frame Relay and global ISDN networks.
- Established system and network uptime targets; achieved and maintained 99+% uptime over four-year period.

Programming Supervisor, ANGUS Chemical Company, February 1991 to August 1992

Environment: DOS/Windows, Netware, RS/6000, AIX, Cisco IOS, Progress, Business Basic, Sysback, Arcserve, IBM 4300, VM/VSE, COBOL, Assembler, CICS

- Managed Mainframe application maintenance and development.
- Performed Unix and LAN system administration.
- Provided PC purchasing and support.

Programmer / Analyst, ANGUS Chemical Company, March 1989 to February 1991

Environment: DOS/Windows, Netware, IBM 4300, VM/VSE, COBOL, Assembler, CICS

- Performed Mainframe system administration and programming.
- Provided PC purchasing and support.
- Implemented company's first LAN.

Programmer / Analyst, Professional Management Systems, October 1979 to March 1989

Environment: IBM 370/4300, DOS, Assembler, WESTI

- Designed and maintained custom financial accounting applications.
- Developed documentation for systems and enhancements.
- Provided operations and systems support.

EDUCATION:

Master of Arts in Mathematics, University of Kentucky, 1978

Bachelor of Science in Mathematics, University of Kentucky, 1976

Certified Data Processor, Institute for Certification of Computer Professionals, 1984

Netware	System Administration, System Manager, TCP/IP, Netware 3 to 4.11 Update	1990-1997
Checkpoint	Systems Administrator, Security Administrator	1997-1998
Oracle	SQL and PL/SQL, Database Administration, Backup & Recovery, Performance Tuning	1998-1999
IBM	AIX, ADSM Version 3 Implementation	1991-1999
Progress	Beginning Progress, Mastering Progress	1993-1994
JDEdwards	System Foundation, System Administration	1998
Microsoft	Windows XP for Techs, PKI/IPsec, Patch Management, Windows Server 2003, Introduction to .NET	2002-2004
Security	Network Security	2003
Wireless	Wireless Technologies and Security	2003