

Qualifications

- Thirty years computing experience, including thirteen years in large scale grid computing environment with five years managing multiple compute farms, over five years in large system, multiple server distributed environment, and more than nine years in large scale mainframe environments.
- Results oriented, capable of leading diverse individuals and projects, through direction and influence, across multiple technical disciplines and geographical locations worldwide.
- Extensive technical knowledge of UNIX, Linux, and related infrastructure and technologies, most recently leading a team supporting multiple grid computing environments using IBM/Platform LSF.

Accomplishments

- Successfully planned and executed, with aggressive time frames, consolidation of 4 large Data Centers into a single location without impacting production.
- Initiated and championed innovation with launch of 8 new internal products developed in collaboration with teams from North America, Europe, and South Aisa, resulting in improved service quality and increased productivity: *Central LSF Project Management, Global Standard LSF esub, Login Session Manager, LSF Job Control, Standardized User Environment, Login Server Process Monitoring, Centralized License Management System, and License Saturation Early Warning.*
- Facilitated development of three major SOPs which became company-wide standards: *CAD OS Guidelines, FlexLM License Audit and Denial Methodology, and Compute Farm Server & Data Storage Security.*
- Initiated regular end-user training and web-based/electronic and in person information dissemination.

UNIX and Linux

- Expert scripting with all standard shells including Bash, Bourne, Korn, and C-Shell (bash, sh, ksh, & csh).
- Experienced with installation, configuration, and administration of multiple versions if Linux, including RedHat, RedHat Enterprise, Fedora, CentOS, SuSE, Debian, and Ubuntu on servers, workstations, and laptops.
- Experienced with installation, configuration, and managing IBM/Platform LSF compute farms, NIS and NISplus (NIS+) servers, and DNS, Web/Apache, MySQL, firewall, gateway, web-proxy, and email servers, as well as installation and configuration of Samba on UNIX and Linux as file servers and domain controllers.
- Experienced with installation, configuration, and administration of Sun V880, V100, E420, E450 and E250 servers and administration of Sun E3500, E6000, E10K, and IBM RS/6000 servers, as well as Sun Sparc, UltraSparc, SunBlade, and SunRay workstations.
- Experienced with installation, configuration, and administration of Sparc and x86 Solaris, Sparc and i386 NetBSD, and FreeBSD, as well as administration of AIX and SCO operating systems.

Other Technology

- Experienced with Amdahl 5995, Book Manager, CA-Manager, CNT, ESCON, Hitachi G9, HMC, IBM 9021, IBM 9672, InfoMan, JCL, JES2, JobTrac, LPAR, MAXM, MIMGR, MVS, NetView/AOC, Omegamon, T-Bar, TSO/ISPF/SDSF, VTAM, XCOM, and CLIST scripting.
- Experienced with installation, configuration, and administration of Network Appliance F500, F700, F800, F900, and C3000 series file servers in both UNIX/Linux and Windows environments.
- Familiar with installation, configuration, and administration of Windows NT, 2000, and 2003 servers, and Windows 95, 98, Me, NT, 2000, and XP workstations as well as Vista and Windows 7.
- Familiar with Windows 2000 & 2003 Terminal Server and WinConnect XP for thin-clients on UNIX workstations and RDP terminal appliances.

Professional Experience

2008 – Current: Compute Farm Manager

ST MICROELECTRONICS, INC., CADss, North America, Engineering Infrastructure, IT

Manage team supporting multiple grid computing environments housed at 7 design centers across North America. Consolidated compute farms from four sites to provide economies of scale and centralized management while continuing to meet the EDA needs of a growing remote engineering and design community across North America. Scheduled ongoing interviews with engineering teams and design management groups to analyze work and job flow needs, creating a standardized compute farm design at all North American sites and accepted company-wide. Initiated regular Linux and LSF training to user communities at each site. Created tools used company-wide to help monitor login and compute environments, providing automatic feedback and analysis to users and administrators when jobs or systems encounter specific problems.

2000 – 2008: Senior Unix Systems Administrator

ST MICROELECTRONICS, INC., CADss, Phoenix, Engineering Infrastructure, IT

Sole responsibility for Systems Administration and Operational Support of the Phoenix CAD environment, migrated 120 EDA engineers from Solaris desktops to a Linux compute farm using Platform LSF. Grew NAS storage from 800gb to 12.5tb to support growing designs. Coordinated support efforts between regional Applications and Licensing, regional and local Infrastructure Network groups, and disparate IT and Building Infrastructure groups. Liaisoned and negotiated with local hardware vendors for support of regional contracts.

1999 – 2000: Senior Systems Administrator

AMERICAN EXPRESS, Voice Automated Technologies

Ensured 24/7 availability of integrated Solaris and Periphonics VPS/is voice response systems. Architected and built VAT Laboratory, researched and negotiated pricing for software and vendor support.

1998 – 1999: UNIX Systems Specialist I

AMERICAN EXPRESS, Distributed Operations

Ensured 24/7 system availability of Solaris and AIX web, database, and filesystem servers. Created standardized procedure run-books, reducing maintenance windows.

**1989 – 1998: MVS Lead Operations Specialist
AMERICAN EXPRESS, Mainframe Operations**

Ensured greater than 99.999% availability and integrity of all IPC mainframe systems, making decisions with immediate impact to worldwide user community and direct impact to profitability of Travel Related Services. Directed efforts of less experienced operators. Managed team automating MAXM for improved system monitoring and enhanced operator functionality. As Senior Operations Specialist, trained and assisted less experienced operators. Received award for creating *FxOutage* to record and track system outages from multiple departments. As Operations Specialist, organized work flow in Tape Library. Received award for created *D21 Training Guide*.

**1988 – 1989: Systems Operator
PHOENIX MEMORIAL HOSPITAL**

Automated SAS applications for Accounting and created Inventory Tracking database for Central Processing. Responsible for system monitoring, batch processing, and trouble shooting terminal communications with no direct supervision.

**1983 – 1988: Data Processor, Petty Officer Second Class
UNITED STATES NAVY**

Supervised Computer Operations. Scheduled Online and Batch Processing. Established new procedures, improving security for classified data.