


# Eric Fox

Greater Phoenix Area

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## Summary

I am a self-starting, analytical, and detail-oriented professional with an extensive background in UNIX/Linux Systems Administration and LSF high performance computing (HPC) Cluster Administration; and experience in Service Delivery and managing IT projects. A dedicated leader with excellent communication skills and proven success leading diverse individuals and global projects through influence and coordination of geographically disparate teams of diverse IT professionals, process managers, and stakeholders.

### SPECIALTIES:

- Leadership
- UNIX/Linux Systems Administration
- LSF Cluster Administration
- IT Project Management
- Information Security
- IT Service Delivery
- Standardization

### TECHNICAL EXPERTISE:

- Servers: Linux, UNIX, RedHat Enterprise (RHEL), Solaris, AIX, Fedora, CentOS, SuSE, Debian, Ubuntu, NetBSD, FreeBSD, OpenBSD, Virtualization, VMWare, VirtualBox
- Workstations: Ubuntu, Windows, & MAC desktops
- Shells & Languages: Bourne (sh), Bash, KSH, CSH, TCSH, Perl, Python, HTML & CSS, Tcl/Tk, PHP, JavaScript
- Networking: TCP/IP, LAN, WAN, VPN, Internet connectivity, Wireless networking, DNS, DHCP, NIS, NISplus (NIS+), Internet, firewalls, bastions, gateways, web-proxy.
- Connectivity: SecureShell (SSH), RDP, FTP, Secure FTP, SCP, RDP, VNC
- Backups: Veritas, NetBackup
- Storage: EMC Isilon OneFS, NetApp Data ONTAP, NFS, NAS, Samba
- Server Software: Apache, Platform/IBM Spectrum LSF, platform computing, grid computing, Sendmail, Postfix, Exim, SMTP, POP/IMAP, Dovecot, SpamAssassin, Subversion, SVN, Yum
- Monitoring: HP OpenView, ZenOSS, Nagios, IBM Spectrum LSF RTM, Zabbix
- Databases: MySQL, MariaDB, PostgreSQL, MS-SQL
- Ticketing & Helpdesk: Remedy, Helix
- Project Management: MS Project, MS Excel, MS Visio
- Application Systems: Kronos, ADP
- Productivity: Linux, Windows XP, Windows 10, Microsoft Office 365, MS Word, MS Excel, PowerPoint, MS Teams, OneDrive, SharePoint, Google Workspace (formerly Google G Suite), Google Drive, Gmail, Google Meet, Google Chat, Google Calendar, Google Docs, Google Sheets, Google Slides, Google Forms
- Resiliency: Information Security, Disaster Recovery, Business Continuity planning

## Experience



## **Freelance IT Consultant**

Self-employed

Jun 2022 - Present (4 months +)

"The IT Guy" / Subject Matter Expert working with clients to understand their business computing and technology needs and recommending, designing, and implementing a technological solution.



## **Senior Linux Service Delivery Administrator (remote from Phoenix, AZ)**

STMicroelectronics

Jun 2019 - May 2022 (3 years)

Coordinated and assigned tasks, monitored progress of project plan implementation, and reported status and results to Service Delivery, IT Management, and domestic and overseas stakeholders from 12 design centers across North America and Canada, and 2 European datacenters. Configured and managed RHEL Linux servers in high performance LSF computing environment at Coppel and coordinated day-to-day support of domestic engineering teams utilizing Coppel and overseas UNIX/Linux LSF environments. Provided user support of Ubuntu Linux workstations.

Select Accomplishments:

- Migrated design workflow from domestic to overseas datacenters 3 times, centralizing efforts of geographically fragmented design teams while providing increased computing resource availability.
  - » First consisted of 3 active design projects, 5 maintenance projects, 20+ reference projects, 800+Tbyte of design data, and 40+ user accounts.
  - » Second included 20+ maintenance design projects, 200+Tb of design data, and 13 engineering user accounts.
  - » Third involved 1 active design project, 30+ maintenance design projects, 100+Tb of design data, and 9 user accounts.
- Transferred all remaining design databases, systems, and processes to overseas datacenters and completed shutdown of domestic design datacenter, reducing regional infrastructure and support requirements.



## **Linux Service Delivery Administrator (remote from Phoenix, AZ)**

STMicroelectronics

Apr 2008 - Jun 2019 (11 years 3 months)

Configured, managed, and ensured availability, connectivity, and throughput of remote RHEL Linux LSF computing resources in Coppel and availability, access, and throughput of European compute clusters for silicon-design teams located across 12 North American design centers. Managed administration of all EDA tools and floating licenses for North America design engineers.

Select Accomplishments:

- Created standardized job submission script, implemented at all company design datacenters worldwide.
- Received ST Silver Award by migrating and consolidating computing resources, design data, and design efforts from all domestic locations to single central datacenter serving 12 domestic design centers.

- Developed and implemented scripts, improving job status reporting. Utilized at all company design datacenters.
- Tuned resource configuration at all domestic datacenters, increasing job throughput by 20%.
- Boosted speed of problem identification and resolution by automating monitoring and reporting of resource saturation and performance issues at all domestic datacenters.

## **Lead Unix Systems Administrator (remote from Phoenix, AZ)**

### STMicroelectronics

Nov 2006 - Apr 2008 (1 year 6 months)

Configured, managed, and guaranteed accessibility and throughput of Solaris UNIX and RHEL Linux LSF systems and storage servers at Coppell datacenter. Assisted with management of EDA design tools and licenses. Coached and mentored Systems Administrators at all North American datacenters, provided 1-stop systems support to silicon-design teams. Monitored and reported all UNIX/Linux computing and storage resource utilization for all North American datacenters.

#### Select Accomplishments:

- Migrated from non-scalable computing architecture to robust, high performance computing load sharing facility (LSF) at multiple datacenters, increasing design-job throughput and improving resource utilization at each location.
- Developed standard implementation of X-Windows emulation via thin-client technology for rollout to all domestic design centers, enhancing overall user experience and reducing support requirements.
- Created job submission wrapper to assist users with proper submission syntax and criteria, improving ease-of-use for silicon-design teams.
- Coached and mentored Systems Administrators at all North American datacenters, boosting moral and overall performance of regional support team.

## **Senior Unix Systems Administrator**

### STMicroelectronics

Mar 2003 - Nov 2006 (3 years 9 months)

Ensured availability and throughput of UNIX/Linux computing resources for local silicon-design teams. Installed and managed Solaris UNIX and SUSE Linux servers and NetApp storage servers. Monitored and reported all UNIX/Linux computing and storage resource utilization.

## **UNIX Systems Administrator**

### STMicroelectronics

Apr 2000 - Mar 2003 (3 years)

Installed and managed local Solaris UNIX servers and workstations, and NetApp storage servers. Monitored and reported all UNIX computing and storage resource utilization.



## **Senior Systems Administrator**

American Express

Jan 1999 - Apr 2000 (1 year 4 months)

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.



## **UNIX Systems Administrator**

American Express

Jan 1998 - Jan 1999 (1 year 1 month)

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



## **MVS Lead Operations Specialist**

American Express

Jun 1989 - Jan 1998 (8 years 8 months)

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 installing BMC MAXM for improved system monitoring and enhanced operator functionality.



## **Systems Operator**

Phoenix Memorial Hospital

May 1988 - Jun 1989 (1 year 2 months)

Automated SAS applications for Accounting and created Inventory Tracking database for Central Processing. Monitored mainframe batch processing and trouble shot terminal communication issues.



## **Data Processor, Petty Officer Second Class**

US Navy

Jun 1983 - Apr 1988 (4 years 11 months)

Supervised Computer Operations. Scheduled Online and Batch Processing. Established new procedures improving security of classified data. Honorably discharged.

## **Education**



### **Arizona Western College**

Computer Programming

## **Skills**

NetApp • Bash • Linux System Administration • Shell Scripting • Leadership • LSF Cluster Administration • Unix Shell Scripting • Platform LSF • LSF • IT Service Management