

Senior Sun Solaris UNIX Administrator with 14 years experience in complex, secure, financial and classified environments.

**KEY SKILLS:**

- Solaris Expert, 14 years experience, all Sun servers up to and including E25k.
- Solaris 10 Zone and Container expert.
- Solaris upgrades and migration: 8 and 9 to 10.
- Solaris server consolidation through Solaris 10 containers.
- UNIX Security Expert, JASS Security Toolkit, SOX Audit Compliance.
- UNIX Security lock down and hardening.
- UNIX Disk Volume Management, Veritas, DiskSuite/Solaris Volume Manager.
- Web, App and Database Server Design and Deployment.
- Sun SAN hardware and software, EMC San interoperability.
- Jumpstart service implementation, Flash archive for rapid recovery.
- NIS, DNS, Sendmail, LDAP and NFS implementation and management.
- Capacity planning, performance monitoring and management.
- 24x7x365 availability and accessibility.
- Very extensive experience in banking and financial environments with stringent security and change management needs.
- Outstanding communication and documentation skills.
- Extensive experience with performance monitoring.
- Extensive experience with knowledge transfer and web based training on Solaris and related topics.

**PROJECT EXPERIENCE:**

1/2008 – Present New York Times, NY, NY

Solaris and Linux Architect

- Designs Solaris 10 installation images on Sun Sparc and Sun X86 based hardware to achieve business goals while adhering to PCI security standards.
- Automates the provisioning of Solaris servers via Opsware SAS server 6.5.
- Designs Sun and RedHat Linux server configurations based on intended use and service level requirements.
- Writes shell scripts to automate enterprise security adherence.

11/2007 – 1/2008 *Ogilvy Mathers, NY, NY*

*Senior Sun/SuSe/RedHat Engineer*

- Solely responsible for 24 x 7 support of over 100 Sun, SuSe and RedHat servers across two data centers.
- Managed and maintained existing servers providing web and database services.
- Trained junior personnel on UNIX administration topics specific to the clients environment.
- Providing troubleshooting and assistance to several personnel including firewall engineers, database administrators and web developers.

*6/2007 – 11/2007 BlackRock, NY, NY*

*Senior Sun Engineer*

- Responsible for 24 x 7 support of over 3000 Sun servers in four data centers around the country in a diverse team environment.
- Managed and maintained existing servers including V880, V440, V210's.
- Responsible for Apache, LDAP, Sendmail, NIS and NFS services enterprise wide.
- Upgraded and deployed new servers to meet customer demand as well as for the instantiation of new customer environments.
- Migrated servers between data centers to achieve redundancy and load balancing while still maintaining 100% service availability.
- Implemented enterprise wide administrative privilege configuration with sudo.
- Supported large team of Java application developers and database administrators providing assistance any and all ways required including performance tuning, resource allocation, software upgrades and any other requirement as needed.
- Routinely participated in bridge calls to quickly resolve performance issues or hardware failures to ensure continuity of sensitive financial services.

*9/2005 – 6/2007 GMAC Mortgage Horsham, PA*

*Senior Sun Engineer*

- Responsible for the deployment of new servers including 45 T2000's and 2 E25k
- Manage existing servers: E6800, E6500, E4500, V880, E450, V120, V240, 420R, 480R, V490. Over 250 Sun servers total.
- Managed over 500 Sun and HPUNIX servers over three states.
- Supported large team of web application developers and database administrators providing assistance any and all ways required including performance tuning, resource allocation, software upgrades and any other requirement as needed.

- Migrated hundreds of Solaris 8 servers to Solaris 10 global zones to achieve server consolidation and vastly improved resource usage and cost reduction.
- Designed Solaris Volume Manager disk set configuration to allow for logical separation of storage allocated to containers and to be able to create and grow soft partitions.
- Kernel tuning for IO, network and memory performance to meet needs of DBA's, developers and business clients.
- Implemented security requirements based on corporate security guidelines to achieve SOX compliance and ensure sensitive data protection.
- Installed and configured Vintela UNIX to Microsoft AD authentication.
- Implemented Solaris server configuration monitoring with Altiris software
- Firmware upgrades.
- Secure console OOB deployment with Avocent serial consoles.
- Automation of routine tasks with shell scripting.
- Worked closely with SAN engineers for the allocation of disk luns for use in disk sets. More than one 800 terabytes of SAN storage in place over three sites.
- Supported various software applications including Apache, Tomcat, Weblogic, Iplanet, Altiris, Vintela as well as several in-house proprietary applications.

*4/2003 – 9/2005 IRS Washington DC Warehouse/Research Division  
Senior Sun Engineer/E10k and Sun SAN Engineer*

- Responsible for 3 E10k domains including installation, configuration, hardware repairs, operating system management and storage configuration.
- E6500 Server with two hundred production users.
- Four 480R Sun servers.
- Oracle and Sybase database preparation including raw and cooked file system layouts.
- Legato Networker and Solstice Backup server and L11000 jukebox with 325 tape slots.
- SAMBA installation and integration to Microsoft network for UNIX to Windows interoperability and resource sharing.
- Two V880 Servers with 12 TB Sun San storage deployed and placed into production for Oracle database use and Sybase warehouse.
- A5000, A3500, A1000, D1000, 3310, Sun 6320, T3 arrays. 40 Terabytes total storage.
- Oracle 9i, Sybase 12.5, Sun San Manager

- Security certification achieved for the project, a first for this ten year project.
- SSH implementation.
- Auditing and configuration monitoring implemented.
- Deployed 40 Terabytes of mass storage.
- Migrated from Veritas Volume Manager to Solaris Volume Manager.
- Deployed gigabyte Ethernet to enable the movement of data in the terabyte range.
- Apache, JAVA and Tomcat installation.
- Shifting of multiple terabyte data sets from various servers for migrations and redundancy.

3/2002 - 4/2003 America Online Reston, VA

*Senior UNIX Administrator*

- Responsible for 21 E450's with 4 x 400 CPU's and 4 gigabytes of physical memory
- 26 E4500's with 8 – 14 CPU's and 12 – 14 gigabytes of physical memory
- Each server had an average of 500 gigabytes of redundant disk storage
- RID levels 0, 1, 0+1 and RAID5 were all in use depending on the system requirements.
- Maintained peak performance and scaled applications to meet increasing demand.
- Resolved hardware failure and ensured 100% uptime via hardware and software redundancy.
- Installed and configured Netscape Server for 35 Netscape Iplanet Web Server instances.
- Implemented and maintained round robin and load based clustering behind Layer-4 devices.
- Co-admin of 20 V880 servers running Sybase and Oracle.
- 24 x 7 x 365 available via pager and cell phone.

8/2001 – 4/2003 MarZ Consulting Inc. Centreville, VA

*Solaris Administration Instructor*

- Provides expert Sun Solaris 8 Administration training in a classroom setting.
- Writes and maintains course material on topics including Network Intrusion Detection, Solaris 8 Administration I, Solaris 8 Administration II, Solaris Network Administration, Volume Management, Kernel Tuning, Solaris 8 Security and Kernel Tuning.
- Distance learning course development on topics listed above.

- Ensures that students are prepared for the Sun Solaris 8 Systems Administrator Certification exams.

*6/2001 - 8/2001 Internal Revenue Service New Carrollton, MD  
E10k Engineer*

- Responsible for the design of 8 E10000 servers to meet client business objectives.
- Appropriately sized RAM, system boards, interfaces (web and SCSI) and mass storage.
- Defined EMC storage hardware requirements to meet needs of Oracle and Informix databases.
- Wrote technical documentation for use as "best practices" enterprise wide.
- Created a fault tolerant, high availability Apache Web server solution for the client allowing multiple IP addresses to be used for a single web site.

*3/2000 - 6/2001 Sun Microsystems Mclean, VA  
Senior Solaris Admin*

- Engaged by Sun Microsystems as a subcontractor to provide senior level Solaris administration services to the end client (Nokia) for the deployment of two Sun E10000 servers, 2 A5200 storage arrays, 8 E420R servers all in a high availability (Sun Cluster, Veritas Volume Manager) environment.
- Installed, configured and managed the full suite of I-planet web server software packages including Enterprise Server, Directory Server, Application Server as well as Weblogic and Vignette Server.
- Configured secure sites and transferred existing data from existing web servers to the E10Ks.
- Responsible for all encryption software integration and secure key implementation.
- Following successful deployment of the E10k servers for Nokia, was contracted to provide senior level Solaris administration support at the Sun Microsystems Mclean, VA headquarters.
- Responsible for the hardware, software and network management for 700 users.
- Disaster recovery, network configuration and management, printing services and server deployments.
- Responsible for managing seven field offices ranging from Hampton, VA to King of Prussia, PA.

- Designed and managed a disaster recovery solution and recovered data immediately upon a report of data loss.
- Responsible for the integration of Windows NT and Windows 98 clients with the Sun servers with SAMBA.
- Deployed two SunRay environments with redundant storage and backup services. Provided 24 by 7 coverage and was in communication with the client on an as needed basis via cell-phone and pager.
- Maintained a stable and productive environment for the developers to maximize productivity.

*12/1999 - 3/2000 MarZ Consulting Inc. Centreville, VA*

*Solaris Trainer*

- Provided high quality technical consulting for clients who have decided to use the Sun Solaris operating system.
- Trained classes of students in the main office training lab and achieved the highest levels of success transferring knowledge to students with little or no experience with the Unix operating system.
- Presented written and oral proposals to senior level management at numerous firms and secured opportunities for consulting and training at same.
- Installed and designed a Sun Sparc based training lab to provide a very realistic training experience for all students.
- Developed Netscape I-planet Enterprise learning environment on E250's.
- Instructed students on the installation and management of Iplanet Enterprise servers.
- Created a comprehensive Solaris Administration training series that enables students to perform with a level of competence required in a production environment.

*4/1999 - 12/1999 Orbcomm Inc. Dulles, VA*

*Senior Solaris and HPUX Administrator*

- Responsible for over twenty servers including both Sun Sparc machines as well as HP servers and workstations.
- Accountable for the security and integrity of all servers.
- Charged with the backup of all servers and frequently tasked with the recovery of lost or corrupted data.
- Managed all user account and group definitions.
- Upgraded OS levels and patches to achieve Y2K compliance.

- Maintained and troubleshot network wide DNS services including master and slave DNS server configurations.
- Responsible for Network connectivity and routing between all servers and networking devices.
- Acted as the central point of contact for all licensing issues and license problem resolution.
- Provided network mapping and network monitoring enterprise wide.
- Maintained a uniform environment for the developers and helped ensure their success.
- Responsible for all NFS networking mounting services for the network.
- Installed, configured and troubleshot all software installations.
- Responsible for the verbal and written presentation of server and network status reports
- Provided verbal and written network design plans and capacity planning recommendations.

*10/1998 - 4/1999 Naval Medical Information Command Bethesda, MD*

*HPUX UNIX Administrator*

- Managed numerous servers including HP9000 servers running HPUX 10.1/10.2/11.0.
- Monitored and troubleshot over 1000 nodes across a worldwide WAN including HP LAN probes, Sun Sparc servers, Cisco routers (2500, 7500), Bay switches and hubs.
- Maintained a complex CiscoWorks data collection configuration which collected bandwidth utilization data and then presented valuable data to the client.
- Acted as technical point of contact for other network engineers at various other sites involved in the project.
- Provided written and oral network capacity planning recommendations.
- Reported to senior management on network status and critical system events.
- Troubleshot Cisco routers with CiscoView and Bay equipment with Optivity Enterprise Suite maintaining smooth operation.

*3/1998 - 10/1998 Bell Atlantic Arlington, VA*

*Solaris Administrator*

- Managed 10 servers: 4 Enterprise 450's, 1 Enterprise 1000, 1 Enterprise 4000, 2 Ultrasparc 10's and 2 Sparc 20's all running Solaris 2.51 or 2.6.

- Supported 40 Java developer users and maintained a stable platform enabling goal achievements.
- Maintained and configured all software, upgrades and licenses.
- Administered a Netscape Suitespot Web server running on a Sparc 20.
- Installed, configured and maintained a Web based system administration solution allowing remote administration from any location within the client site.
- Wrote shell scripts to automate system administration tasks.
- Kept abreast of all patch requirements and maintained system stability.
- Performed daily performance monitoring and resolved disk and CPU performance issues.
- Maintained a RAID configuration on two primary servers that provided data redundancy for critical applications.

*12/1995 - 2/1998 Defense Information Systems Agency Arlington, VA  
Solaris UNIX Administrator*

- Co-administered 1 Enterprise 2000, 1 Enterprise 1000 and numerous workstations all running Solaris 2.x.
- Aided in the installation, configuration and maintenance of the servers and took a leadership role in the design, implementation and maintenance of the project.
- Responsible for the configuration and performance management of the local networks.
- Resolved I/O performance problems and monitored mass storage utilization.
- Trained users on the use of the Sun Sparc equipment and provided data backup services.
- Wrote scripts to retrieve information from remote sources automatically and to verify their integrity before retransmission.
- Troubleshoot Wan connectivity and resolved communications problems.
- Maintained cryptographic connections between local and remote sites.
- Performed patch and upgrade management.
- Maintained network security.
- Participated in live demonstrations for senior officials including members of the Joint Chiefs of Staff, Secretaries of the Army and Navy and the Secretary of Defense.
- Wrote, filmed and edited a highly technical video on the usage and maintenance of a mission critical application that was used in Bosnia during the early stages of US participation in the Bosnian conflict.