

## Summary

Senior/SME Systems Administrator/Engineer with over twenty years of experience in both commercial and government sector projects. Roles have included administering systems (hardware and OS), storage area networks, directory servers, and middleware components, and developing scripts for operations and maintenance.

## Skills

- Operating Systems: Solaris, Linux (particularly Red Hat Enterprise Linux), FreeBSD
- Storage (SAN/NAS) Hardware: Oracle ZFS storage appliances, Sun/Oracle StorageTek arrays, Brocade SilkWorm switches, EMC Symmetrix storage systems, EMC Clariion arrays
- Middleware: Apache HTTPD web server, Apache Tomcat Java servlet container, Oracle Unified Directory LDAP server, Oracle Directory Server Enterprise Edition LDAP server, Oracle iPlanet web server, OpenLDAP directory server, Broadcom SiteMinder access manager, Oracle WebLogic Java application server
- Programming and Scripting Languages: Perl, Bourne shell (including Bash and ZSH), C/C++, Java, PowerShell
- Infrastructure Software: Oracle VM Server for SPARC (Solaris Logical Domains/LDoms), Veritas Volume Manager, Veritas File System, Kerberos, Sun/Oracle Common Array Manager, Brocade FabricOS, EMC PowerPath, EMC SYMCLI, EMC ControlCenter (ECC), EMC VolumeLogix

## Selected Training

- Oracle VM Server for SPARC: Installation and Configuration, December 2016
- Red Hat System Administration II, October 2015
- SiteMinder Administration 200, December 2014
- Red Hat System Administration I, August 2014
- Sun Java System (Oracle) Directory Server Enterprise Edition 7: Maintenance & Operation, August 2010
- Solaris 8 Operating Environment Systems Administration I and II, 2001

## Education, Certifications, and Clearances

- Bachelor of Science degree, Computer Science major, Virginia Tech, May 2000
- CompTIA Security+ ce certification, issued November 2010, valid until November 2026
- Active Top Secret security clearance, Department of Defense, issued June 2005, last reviewed April 2021

## Recent Experience

May 2005 — present

Project: DISA Intranet Services, Defense Information Systems Agency

Roles: Systems Administrator/Engineer (including Application Administrator, LDAP Directory Administrator, and SAN/NAS Storage Administrator)

Employers: Computer World Services (2019 – present), NOVA Corporation (2014 – 2019), Daston Corporation (2009 – 2014), ManTech International (2005 – 2008)

- Lead Unix administrator for the DISA Intranet Services software suite. Environment capabilities included applications for collaboration, records management, EEO and IG case management, financial management, and enterprise-level web, database, and identity and directory services, including the public-facing agency website.
- Supported day-to-day operations, including software deployments, patching for information assurance/vulnerability management (IAVM) compliance, configuration changes, and infrastructure software updates.
- Regularly developed scripts to automate operational and maintenance tasks, data synchronization, and support infrastructure needs.
- Produced and implemented standardized configurations and processes across the entire Unix environment, both for Solaris 8/10/11 and for Red Hat Enterprise Linux 7. This setup provided a standard, STIG-compliant base for the entire suite.
- Performed OS upgrades and migrations from Solaris 8→10→11, both solo and in coordination with application administrators as necessary.
- Migrated the entire SPARC-based server farm onto new equipment utilizing virtual machines under Solaris Logical Domains (LDoms).
- Integrated a storage area network (SAN) utilizing Sun StorageTek equipment allowing for database expansion. Later replaced the SAN with an Oracle ZFS Storage Appliance Network Attached Storage (NAS) device serving as the primary storage for the entire development and testing enclaves of the environment, housing both operating system and application data.
- Maintained a Sun/Oracle directory (LDAP) functioning as the back-end authentication data and general information store for several applications in the IS suite, as well as a central data source for other applications in the agency.
- Participated in and helped coordinate several environmental moves, involving both physical equipment moves and migrating applications to new equipment hosted elsewhere, all with the associated configuration changes.
- Also participated in several periodic security audits (also known as “security readiness reviews (SRRs)”, “site visits”, or “assessment and authorization (A&A) reviews”), working with agency security personnel and producing documentation and artifacts (“STIG checklists”).

## **Additional Experience**

September 2011 – April 2014

Role: Google Apps Deployment Specialist

(Part-time in parallel with DISA duties)

Employer: Daston Corporation

- Acted as a consultant to other deployment staff on integrating external technologies (directories, SSO, etc.).
- Implemented Google Apps Directory Sync for a customer to integrate their Active Directory and Google Apps accounts.

April 2004 – June 2004

Project: Quality Assurance Lab Support, Freddie Mac

Role: Systems Administrator

Employer: Uniplus Consultants

- Responsible for re-configuring systems as new applications entered the lab environment.
- Primary tasks involved performing operating system loads, initial OS configuration, and installing and configuring software packages for customer use.

June 2001 – September 2003

Project: Database Operations, AOL Internet Services

Role: Systems Administrator (also including SAN Storage Administrator)

Employer: America Online

- Primary Unix administrator for over fifty production servers, and SAN administrator for a storage network supporting the entire department.
- Regular tasks included configuring operating systems and attached storage for customer use, allocating storage to servers on demand, and diagnosing and repairing software-related issues.
- Also participated in an on-call rotation providing 24x7 coverage.

July 2000 – December 2000

Role: Systems Administrator (Consultant)

Employer: Taos

- Installed and configured Sun hardware in a lab environment.

May 1998 – December 1998

Role: Systems Administrator (Co-op)

Employer: Silicon Graphics

- Supported the “Government Technology Center”, a demonstration center featuring a wide variety of SGI server and storage equipment.

### **Additional Experience (continued)**

September 1997 – May 1998

Role: Website Developer, Facilities

Employer: Virginia Tech

- Created and updated content for the Facilities website as directed by management.

January 1997 – August 1997

Roles: Programmer (Co-op)

Employer: IBM

- Updated and developed new C/C++ code on OS/2 and Windows NT platforms.

### **Additional Training**

- Amazon Web Services 101, October 2011
- EMC Clariion Administration, 2003
- Netscape Directory Services: Analysis and Planning 6.0, 2002
- Netscape Infrastructure Server 6.0 Maintenance and Operations – Directory Server, 2002
- EMC Symmetrix ControlCenter 4.3, 2001
- EMC Symmetrix Fundamentals for Administrators, 2001
- Sybase System and Database Administration: Adaptive Server Enterprise, 2001

### **Inactive Certifications**

- Google Apps Certified Deployment Specialist, September 2011, renewed July 2013
- Google Apps Certified Sales Specialist, June 2013