Sandra Kay Bitura

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DevOps Engineer | Senior System Engineer

AWS Certified Solutions Architect | Sun Certified System Administrator

Accomplished systems specialist with 20+ years of experience leading critical projects in design and development of frameworks, validation tools, and complex scaling projects, seamlessly moving customers to new infrastructures.

- ➢ **Highly creative** and analytical, adept at evaluating issues, identifying requirements, and developing solutions that effectively serve clients' needs.
- ➢ **Proficient in designing, deploying, and managing** applications built on Amazon Web services with vital technical skills, business acumen, and in-depth understanding of the AWS platform.
- ➢ **Efficient project manager** skilled at seeing the overall picture and identifying tasks to facilitate timely and cost-efficient completion.
- ➢ **Confident and concise communicator** able to express concepts and information with clarity, providing guidance on best practices and helping customers with cost optimization, security, and areas of AWS cloud.

Technical Proficiencies

Cloud Platform	Amazon Web Services (AWS)
DevOps	Spinnaker, Ansible, Terraform, CloudFormation, GIT, Jenkins
Containerization	Kubernetes, Helm, Docker, Solaris Zones
Monitoring Tools	Salesforce Analytics, Tableau, Grafana
Web App/Programming	Flask, Python, Bash
Operating Systems	RHEL, CentOS, Ubuntu, Oracle Linux, Solaris 8, 10, 11
Databases	SQLite
Hardware	AWS EC2, Dell, HP, NetApp, Sun Sparc
Other tools/Backup/Restore	NetBackup, YAML, JSON, Python

Professional Experience

Sr. Systems Engineer, SALESFORCE, Chantilly, VA   *May 2011─Jan. 2023*

Automated tasks to fast-track build/deploy process using Python and Bash scripts. Deployed applications in SaaS platform using Spinnaker. Set up continuous integration / continuous delivery of CI/CD pipelines.

- ▪ Developed solution for quickly building servers to maintain consistency across all servers that reduced odds of error occurrence, saved time and money, reduced operating costs, improved worker safety, and increased production output with greater quality with use of Ansible configuration manager,
- ▪ Automated orchestration of resources resulting in simplification of management and choreography of large-scale multi-cloud infrastructures with use of Terraform to define and provision data center organization.
- ▪ Engineering role:
  - ✓ Functioned as DevOps engineer.
  - ✓ Managed Unix/Linux and Solaris Systems.
  - ✓ Used containers (Docker) and Orchestration with Kubernetes and EKS.
  - ✓ Employed configuration management tools – Puppet, Ansible, and Terraform.
  - ✓ Drove cloud initiatives for large businesses.
  - ✓ Migrated on-premises servers to AWS cloud.
  - ✓ Deployed applications using Spinnaker and SaaS platform

Professional Experience continued:

Sr. Linux Systems Engineer, FEDERAL RESERVE BANK, Minneapolis, MN   *Feb. ─ Apr. 2011*
Installed and configured operating system software, including security and web applications. Managed user accounts, permissions, and access rights. Monitored system performance and troubleshot issues.
- Ensured system security and protection against external exploitation by using Red Hat Satellite to manage and patch the entire server environment. Used yum command line tool to update packages.
- Jump started installation of Solaris on multiple systems allowing more straightforward system configuration and maintenance. Eliminated need for time-consuming manual installations
- Managed system backup and recovery.
- Implemented security measures and procedures.
- Monitored system resources and uses; managed software and hardware upgrades.

Sr. Solaris & SAN Administrator, IBM, Durham, NC   *Aug. 2008─Dec. 2010*
Built Solaris LDOMs and T5240 to move independent servers to guest domains. Maintained and troubleshot Brocade switches, EMC SAN4700, NetApp Gateway, and SUN Sparc servers. Managed 500+ servers across all platforms.
- Created Solaris zones, containers, and ZFS file systems. Configured LDAP client on Solaris for user logins.
- Set up and configured Solaris JET to jumpstart servers.
- Installed and configured NetApp Gateway, IBM DS4700 Storage Subsystems and DS4000 ExP810 expansion tray.

Sr. Solaris Administrator, SUN MICROSYSTEMS, Nashua, NH   *Mar. 2007─Aug. 2008*
Built servers for future customers and migrated 80 SUN servers. Installed new operating system moving applications and data to new servers.
- Installed and configured SUN CLUSTER 3.2 for NFS and Oracle.
- Upgraded OBP, HBA, ALOM, and HDD versions; applied patch cluster to OS.
- Built production SUNSOLVE.SUN.COM servers.

Associate Solaris Administrator, PEROT SYSTEMS, Bangalore, India   *Jan. 2006─Dec. 2006*
Supported SUN Solaris servers. Worked tickets and tasks to resolve operating system issues. Created and grew file systems in Veritas Volume Manager 4x.
- Performed jumpstart installation to build servers and scrub internal hard disks.

Prior IT Experience:
    Solaris Administrator, SATYAM COMPUTER SERVICES, LTD   *July 2001─Dec. 2003*
    Solaris Administrator, RESONANCE TECHNOLOGIES, LTD   *Mar. 2000─June 2001*

Education

M.B.A., Aspen University, Phoenix, AZ (Distance Learning)

B.S. – Computer Science, Mathematics, Statistics, Osmania University, Hyderabad, India

Veritas Volume Manager, 3.5 Rrootshell Technologies, **Veritas NetBackup 4.0** and Veritas Cluster Server 3.0