

## AWS DEVOPS ENGINEER

### Summary

Skilled IT professional with 8+ years' IT experience, looking for a position in areas of Version Control, Build and Release management, Change management, Cloud Integration, CICD Pipelines.

### Skills

- **OPERATING SYSTEMS** : Red Hat Linux RHEL 7.x, 8.x and CentOS, Ubuntu
- **Identity & Access Management**: AWS Organization, IAM, AD Connector
- **Active Directory, Secrets** : AWS Config Rules, AWS Organization, Control Tower, Trusted Advisor, Well Architected Framework, AWS Budgets, License Manager, etc.
- **Cloud Orchestration/Automation**: CloudFormation, Lambda, Systems Manager, SSM Parameter Store, Ansible, Docker, Jenkins, ECS, EKS, Terraform
- **Application Delivery**: CodePipeline, CodeCommit, CodeBuild, CodeDeploy, Jira, Jenkins, Bitbucket, Maven, Ansible
- **Data Protection**: AWS Certificate Manager, KMS, Snapshot Lifecycle Manager, AWS Cloud
- **Monitoring & Event Management** : AWS CloudWatch (Events & Logs), S3 SNS, Prometheus and Grafana

### Experience

AWS DevOps Engineer Management Decisions, Inc. | Woodland Hills , CA | Sep 2018 - Current

- Configured Continuous Integration (CI) and Continuous Delivery (CD) using **CodePipeline** and **CodeDeploy** , **CodeBuild** and **CodeCommit** for automation
- Integrated **Jenkins** with **GitHub** , **Maven** , **SonarQube** , **Nexus** , **Docker** containers
- Created/managed freestyle and pipeline projects in Jenkins
- Installed **Jenkins plugins**
- Managed/Deployed **Docker Containers** to Kubernetes clusters using Ansible playbooks
- Provisioned infrastructure with **Terraform/CloudFormation** and monitored performance of EC2 instances with **CloudWatch**
- Monitored performance of deployed applications with **Prometheus** and **Grafana**
- Developed/Managed **CI/CD pipelines** projects using **Jenkins**
- Focused on containerization and immutable infrastructure, **Docker** has been core to this experience, along with **Mesos** , **Marathon** and **Kubernetes**
- Worked on Continuous Integration and Continuous Delivery using **Jenkins** and **Ansible** for docker image building and deployment
- Configured and maintained Jenkins to implement the CI process and integrated the tool with **Maven** to schedule the builds
- Have experience working with **Docker - DockerHub** , pulling images from **DockerHub** , running containers based on an image, creating **Dockerfile** to manage customized containers, exposing a container with port redirect, container volume management, docker inspect, docker commit to capture the file changes/settings into a new image and pushing the image to docker hub
- Automated AWS components like **EC2** instances, Security groups, ELB, RDS, IAM through AWS **CloudFormation** templates
- Utilized **SQL Developer**, **Putty** and **Toad** for PL/SQL, database updates, and row/column data tracking during testing
- Created Security Groups, configuring Inbound/Outbound rules, creating, and importing Key Pairs
- Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins
- Experience in working with automation tools like **CHEF** , **PUPPET** and **ANSIBLE**
- Provided 24/7-support coverage, pager support and weekend support during **On-Call**
- Ability to quickly understand, learn and implement the new system design, data models in a professional work environment
- Active participant in scrum meetings, reporting the progress and maintain effective communication with each team member and manager.

Cloud Support Architect Caci International Inc. | Fort Gordon , GA | Feb 2016 - Sep 2018

- Leverage AWS cloud services such as **EC2** , auto-scaling and **VPC** to build secure, highly scalable, and flexible systems that handled expected and unexpected load bursts
- Hands on experience in AWS provisioning and good knowledge of AWS services like **EC2** , **S3** , **Glacier** , **ELB** , RDS, Redshift, **IAM** , **Route 53** , **VPC** , **Auto Scaling** , **CloudFront** , **CloudWatch** , **CloudTrail** , **CloudFormation** , **Security Groups**
- Worked with **IAM** service creating new IAM users & groups, defining roles, policies and Identity providers
- Applied patches and supported **Linux Servers** with Oracle Database Instances
- Designed roles and groups using AWS Identity and Access Management (IAM)
- Made use of security groups to secure my servers
- Set up, configure, and deploy several AWS services for clients
- Responsible for bucket creation, user account creation, access permissions and privileges to users as well as policies and IAM policies
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using CloudWatch
- Provisioned **VPCs** , **EC2** , **S3** and other resources on AWS
- Used AWS organization for managing multiple accounts
- Developed and documented security guardrails for AWS Cloud environments
- Leveraged VPC peering with other Accounts allowing access and routing to services and users of separate accounts to communicate with each other, Network, CPU, Disk, and connectivity monitoring with CloudWatch and setup to trigger alarm and notify system administrators
- Designed and implemented for elasticity and scalability using **ElasticCache** , **CloudFront** , **Edge locations** , RDS, etc
- Build Amazon EC2 instances and assigned required firewalls using security group (SG) and Network Access Control List (NACL) rules

- Designed architectural diagrams and high-level documentation to guide cloud engineers in deployment.

Oracle DBA First Tennessee Bank | City , STATE | Aug 2013 - Jan 2016

- Upgrade DBs from 11.2.0.4 to 12.1
- Responsible for setting and managing USER MANAGEMENT, SPACE MANAGEMENT Granting required privileges to users
- Applying upgrade patch, maintenance and interim (Opatch) patches on all the databases
- Refreshing Dev and Test instances with data from Production on a regular basis
- Creating and assigning appropriate roles and privileges to users depending on the user activity
- Scheduled RMAN backups, purge jobs, Maintenance Jobs using DBMS\_JOBS, DBMS\_SCHEDULER, Crontab
- Responsible for database maintenance, backups, recovery, patching, upgrades and performance tuning, user access control
- Responsible for Maintenance and Support of multi-terabyte databases in production, testing and development environments (Sun Solaris, Linux RedHat)
- Experience in designing and configuring high-availability systems using DataGuard with physical standby effectively configured and used DataGuard Broker utility
- Doing the regular activities like monitoring the alert logs, redo log status, listener log and checking the space for normal segments, rollback segments and tablespaces
- Performance Tuning of SQL statements and Database Tuning using tools like Explain plan, TKPROF, SQL Analyze, UTLBSTAT, UTLESTAT, STATSPACK, ADDM, AWR reports, TOP command, etc
- Monitoring and optimizing the performance of the database through Database Tuning - Tuning Applications, Tuning Instance, and Tuning Disk Usage Debugging SQL tuning

#### Education and Training

MSc : Computer Science: Cloud Computing Architecture University of Maryland Global Campus || City , USA

BSc : Environmental Sciences & Resource Management Brandenburg Technical University || City , Germany

Oracle Certified Associate CompTIA Security+ CE AWS Solution Architect Associate AWS Solutions Architect Professional Structured Query Language (SQL) certified (SQL FUNDAMENTALS)

#### Additional Information

- MILITARY SERVICE , U.S. Navy Veteran - Honorable Discharge U.S. Navy Drilling Reservist , Maintaining a Secret Clearance