

Similoluwa Emmanuel Ogundana

DevOps Engineer || Cloud Engineer || Build and Release Engineer || SCM || B.Eng
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Location: Lagos, Nigeria

OVERVIEW

I am an industrious IT professional with over 2 years of experience as a Cloud and DevOps Engineer. I have experience in managing Infrastructure as a Service(IaaS), Software as a Service(SaaS) and Platform as a Service(PaaS).

I have hands-on experience in automating, maintaining and optimizing core devOps tools and AWS Cloud Architecture such as Linux, Git/Github, Maven, Nexus, Sonarqube, Kubernetes, Ansible, Terraform, Jenkins CI/CD pipelines, Prometheus/grafana , Helm and Docker in developing, building, testing, deploying and monitoring web applications.

I am a highly motivated and dedicated individual known for excellence and problem-solving skills hereby providing solutions to companies, industries and firms. I also work with teams to establish management and excellent delivery of software/web applications within budget and scope and deadlines given.

PROFESSIONAL SUMMARY:

- Having total 2+ years of IT experience as a **DevOps Engineer** role in the field of Software Configuration Management & Build, Release and Deployment Management in production.
- Understanding the client environment, Administrating and creating solutions using **AWS Services, CI/CD.**

- Utilized **Cloud Watch** to monitor resources such as **EKS** by setting alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Having good knowledge on SSH connections and password less authentications between servers.
- Proficiency with Configuration Management tools & Build management tools such as **Ansible, Git, Jenkins, and Terraform.**
- Hands on experience in **Orchestration, Packages, Services, configuration and deployment** using **Ansible.**
- Hands on writing custom **Ansible Playbooks and Manifest Files.**
- Configuring Jenkins job with related **plugins for Testing and Continuous Deployment** to accomplish the complete CI / CD
- Experience with Amazon Web services Creating, Configuring and Managing **EC2, S3, VPC services across different availability zones.**
- Experience in using version controller tools like **GIT.**
- Experience in **building Docker images** using **Docker files**

TECHNICAL SKILLS:

Operating Systems	RedHat CentOs, Ubuntu, Windows
Version Control Tools	GIT
Build Management Tools	Maven
Scripting Languages	bash, yaml, python, groovy
Application Servers	Apache Tomcat, JBoss /WildFly
Continuous Integration Tools	Jenkins
	Ansible
Containerization tool	Docker
Cloud Services	AWS (EC2, S3, EBS, ELB, IAM, AMI)
Iaac Tool	Terraform

Monitoring Tool	Prometheus and Grafana, New Relic
Static Code Analysis Tool	SonarQube
Artifactory Storage	Nexus, JFrog
Container Orchestration tools	Kubernetes
TICKETING Tool	JIRA
Web Servers	Nginx, HAProxy, Apache

EXPERIENCE:

DevOps Engineer, Dominion Systems.

July 2020- till date.

Roles and Responsibilities:

- Software Configuration management (Automate CI & CD pipeline using Ansible, Nexus, Sonarqube, Maven, Jenkins, Terraform & GIT).
- Writing inventory and manifest files, ansible playbooks, terraform manifest files and k8s manifest files
- Created Ansible playbooks for installation, patching, configuration of servers, user management, with different levels of access, file management, deployment and full automation.
- Wrote terraform manifest yaml files to provision our infrastructure with eks clusters, ec2 instances, IAM roles, VPC's, S3 bucket, and other resources on AWS.
- Automating AWS cloud deployments using Shell script, Jenkins and Ansible.
- Implement and manage the continuous integration and continuous Deployment.
- Perform Build activities using Maven and Jenkins tool.
- Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using GIT source control.
- Setup for Apache and Nginx web servers couple with AWS ELB SSL for all HTTP to HTTPS thereby maximizing security

- Configured Security groups and locked them down to the various authorized subnet and IP addresses in AWS.
- Analyse and resolve conflicts related to merging of source code for GIT.
- Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads.
- Responsible for designing and deploying best SCM processes and procedures.
- Working very closely with Developers and Build & Release team. We setup Jenkins server & slave nodes for build and release team as per request.
- We recently started deploying our applications into an eks cluster rather than self-managed k8s clusters using kubernetes or KOPS
- Supported and developed tools for integration, automated testing and release management.
- Experience with container-based deployments using Docker, working with Docker images, Docker hub, and Docker registries, and configuring eks clusters using Terraform.
- Used Helm to simplify code writing to handle complex application deployment integrated with Jenkins.
- Created custom mode VPCs in AWS with multi-regional private and public subnets along with firewall rules to allow SSH, ICMP, and RDP ingress traffic.
- Configured bastion hosts to securely connect to instances running in our private subnet on AWS.
- Architected and implemented continuous integration and deployment pipelines using Jenkins
- Performed package management, upgrades/patches, troubleshooting, maintenance, and monitoring of applications using Prometheus and Grafana.
- Created, managed, and administered user accounts security and SSH password-less login
- Network configuration & troubleshoot issues with respect to network and configuration files.

- Set up maintenance scripts using metadata for graceful startup and shutdown of servers.
- Used Jira to track vulnerabilities, requests, and incidents, and confluence for documentation.
- Set quality gate policies on SonarQube for code coverages, to track bugs, vulnerabilities and failed the Jenkins pipeline when the threshold was not met.
- Use Helm charts to deploy Prometheus and Grafana for monitoring.
- Configured namespaces, resource quotas for different environments. RBAC, HPA, CAS and Cluster RBAC.

EDUCATIONAL QUALIFICATION:

- **Degree Master Program; DevOps Engineering Landmark**
Metropolitan University
- **B.Eng. Computer Engineering Federal University Oye-Ekiti, Ekiti**
Nigeria

CERTIFICATIONS

- **AWS Solutions Architect**
- **AWS EKS Kubernetes -Masterclass | DevOps, Microservices**
- **AWS Certified DevOps Engineer Professional**
- **Terraform For AWS**
- **IT Essentials in Cisco Networking**
- **Networking Fundamentals**
- **Linux Fundamentals**
- **Data Processing and Desktop Publishing**

- **Basics of Python**