**Lucero Osagede**

**DevOps Engr|| Platform Engr|| Cloud Engineer**

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**OVERVIEW:**

Highly motivated and dedicated individual seeking an environment that encourages continuous learning and willing to try new ideas and new technology.

I am a very industrious IT professional with over 6 years of experience as a Cloud and DevOps engineer. I have hands-on experience supporting, automating, and optimizing application deployments in AWS by building an automated CI/CD pipeline without forgoing security and performance. I have led and worked on multiple projects through the SDLC.

I am very detail-oriented when it comes to spotting anomalies and have excellent communication, problem-solving, and decision-making skills and always ready to try new tools/technology to improve performance and simplify deployments.

**PROFESSIONAL SUMMARY:**

* Having total 6+ 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 | Shell scripting |
| Application Servers | Apache Tomcat, JBoss /WildFly |
| Continuous Integration Tools | Jenkins |
| Configuration Management Tool | 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.** Dec- 2017 - 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 webservers 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 kubeadm 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, ressource quotas for different enviroments. RBAC, HPA, CAS and Cluster RBAC.

**Jr. DevOps Engineer, Dominion Systems. Jan-2016 to Dec-2017**

Roles and Responsibilities:

* Interacted with different development teams to provide support in deployment activities.
* Experience in applying best practices in Cloud Security, auditing, and implementing security controls.
* Implemented security best practices in AWS including multi-factor authentication, access key rotation, encryption using KMS, firewalls- security groups, RBAC and NACLs, S3 bucket policies and mitigating DDOS attacks, etc
* Worked with multiple project managers from different vendors to understand the release plans and provided support according to their requirements.
* For new applications, worked with development teams to get the requirements of application release process.
* Analyse cloud infrastructures and recommend improvements for performance gains and cost-efficiency.
* VPC peering with other accounts allowing access and routing to service and users of a separate accounts
* Performed applications installation, upgrades/patches, troubleshooting, maintenance and monitoring of Linux servers.
* Created AWS Lunch Templates based on customized AMI and used this lunch templates to configure auto-scaling groups.
* Made use of Terraform for configuration, provision, and managing Infrastructure.
* Provisioned Multi-regional VPCs with Private and Public Subnet on AWS.
* Responsible for building, managing, and optimizing Kubernetes deployments, volumes, and replicas in the entire software development lifecycle.

**3rd Marine Engineer, Hercules Offshore Feb-2011 to June-2015**

Roles and Responsibilities:

* Conducted corrective, preventive, and protective maintenance.
* Performed repairs, overhauls, and installation of shipboard equipment’s and other machineries.
* Documented and implemented new job procedures for efficiency.
* Parameter watchkeeping, data logging and daily update of engine room logbook
* Responsible for the operation and maintenance of various machineries
* Conducted orientation and workstation familiarization for new engine room crew.
* Operation of various fluid systems, water makers, feed pumps, cargo pumps and fuel pumps.
* Health and safety officer for engine room department.
* Operation and maintenance of propulsion systems and controls, bilges, and fire systems,
* Crane operation for engine room related tasks.
* Lead engine room drills and maintained emergency equipment’s.

**EDUCATIONAL QUALIFICATION:**

Bachelor’s in engineering from Anambra States University, Uli. Nigeria. 2010