DEVOPS ENGINEER (4 YEARS EXPERIENCE)

AMBI ISAAC ABRAHAM

 Email: isaacambi2@gmail.com

 Phone: +234 8169929402

Professional Summary

Driven DevOps Engineer with over 5 years of experience in optimizing software development and deployment pipelines. Proven expertise in implementing CI/CD processes, automating infrastructure, and ensuring system reliability. Proficient in cloud computing, containerization, and configuration management. Adept at collaborating with cross-functional teams to streamline development workflows and enhance overall productivity. Seeking opportunities to leverage my technical skills and passion for automation to drive innovation and efficiency in a dynamic organization.

Areas of expertise:

- AWS
- VPC
- EC2
- Auto scaling
- Systems Manager
- EFS
- S3 Lifecycle
- SNS topics with CloudWatch Alarms
- Automation and DevOps
- Security Incident Management
- RDS with multi-AZs and Read Replicas
- Elastic Cache Elastic search
- Route 53 DNS Designing
- Troubleshooting/problem-solving skills.
- IAM role
- Scripting languages: Bash, Shell, Python.
- IAC: Terraform, Cloudformation

- Collaborative Tools: Jira, Confluence

- Configuration Management: Chef and Puppet, Ansible

- Containers and Orchestration: Docker, Kubernetes, ECS

- CI/CD Tools: Github actions, Jenkins, Gitlab

- Version Control: Git, GitBucket

- Monitoring and Logging: ELK Stack, DataDog, Prometheus, Grafana.

- Security: AWS IAM, Security groups, encryption.

- Building, maintaining, and securing the CICD pipelines.
- Doing patching and upgrading of our servers.
- Writing, modifying, and maintaining Ansible playbooks, and automation scripts.
- Using Terraform, AWS SDK, AWS CLI/UI, kops, and Ansible to provision and configure infrastructures in AWS Cloud including VPC, Route53, Private and Public subnets, route tables, IGW, EC2 Instances, IAM, ELB, Autoscaling, CloudWatch, EFS, NFS, EBS, S3, Databases, Lambda security groups, NACLs, among others.
- Participating in recruitment, onboarding/training of new recruits.
- Building and configuring Kubernetes Clusters ensuring that nodes/pods can auto scale and load balance
- Automating infrastructure provisioning and configuration using Terraform and Ansible with Dynamic Inventory.
- Migrated legacy systems to a containerized environment, resulting in improved resource utilization and cost savings.
- Recommending or introducing new technologies/ tools, attending seminars, training sessions, and conferences on behalf of the company.
- Planning and creating various server build through VMware, VirtualBox, and AWS Cloud, supervising the allocation of hostnames, static IP addresses, default gateway addresses, and DNS addresses to Windows 2012,2016, and 2019 servers.
- Creating Virtual Private Computes (VPCs) and all their components when necessary.
- In charge of installing and configuring our web/application Servers (JBoss/Wildfly, Nginx, WebSphere, Apache, Tomcat).
- Implemented version control and code review processes to enhance code quality and collaboration within the team.
- Participated in on-call rotations to provide 24/7 support and resolve critical incidents promptly.
- Integrated log aggregation and analysis tools such as ELK Stack, providing realtime insights into system performance and identifying areas for improvement.
- Collaborated with cross-functional teams to optimize application performance, conduct load testing, and implement scalability strategies.

- Implemented comprehensive monitoring and alerting systems with tools like Prometheus and Grafana, ensuring high availability and proactive issue resolution.
- Collaborated with development and operations teams to streamline software development processes, incorporating Agile methodologies, and promoting a DevOps culture.
- Conducted regular security assessments and implemented best practices, including access controls, encryption, and vulnerability management, resulting in a secure and compliant environment.
- Provided technical guidance and mentorship to junior team members, fostering knowledge sharing and professional growth.
- Collaborated with cross-functional teams to identify opportunities for automation and process improvement.

TallentUp Africa

DevOps Engineer

Lagos Nigeria

October 2020 – March 2022

- Deploy, manage, and maintain applications and systems deployed to AWS.

- Define, execute, and monitor DevOps processes for backlog management, testing and environment maintenance.
- Work with agile development team to standardize branching and tagging of code in code repository and maintain code base integrity using GIT, BitBucket and GitHub.
- Participate in the design of architecture to capture various components of the solution with intent to enhance performance by ensuring components are decoupled
- Implemented security best practices in AWS including multi factor authentication, access key rotation, encryption using KMS, firewalls- security groups and NACLs, S3 bucket policies and ACLs, mitigating DDOS attacks etc.
- Optimized cost through reserved instances, selection and changing of EC2 instance types based on the resource need, S3 storage class and S3 lifecycle policies, leveraging Autoscaling, etc.
- Designed and implemented AWS solutions, ensuring high availability, scalability, and security for critical applications.
- Implemented Infrastructure as Code (IAC) practices using Terraform, automating resource provisioning and configuration management.
- Orchestrated containerized applications with Kubernetes, optimizing resource utilization and enabling rapid scaling.
- Established CI/CD pipelines with Jenkins, automating software builds, testing, and deployments, reducing release cycles by 75%.
- Collaborated with cross-functional teams to improve development workflows and enhance overall productivity.
- Conducted regular security assessments and implemented best practices to ensure the integrity and confidentiality of AWS resources.

- Mentored and trained junior team members in DevOps best practices and AWS architecture.
- Participated in AWS Well-Architected Reviews, providing recommendations for improving clients' AWS environments

THE INTERN

AWS Solutions Architect

Lagos Nigeria

April 2019- October 2020

- Configured multi-account architecture, identity and access management, governance, data security, network.
- Designed and implemented system security and data assurance.
- Architected AWS cloud network and services solutions.
- Enabled Cloud Trail log file validation so that any changes made to the log file itself after it has been delivered to the S3 bucket is trackable to ensure log file integrity.
- Works to gather customer requirements, clarify specifications and translates into the product backlog. • Configured CloudWatch alarm rules for operational and performance and performance metrics for AWS resources and applications.
- Effected AWS Cloud cost-effective solution in non-prod environments using instance scheduler.
- Experienced as a JIRA administrator and customizing JIRA projects.
- Demonstrated experience in systems and cloud network design and implementation that promotes scalable, secured, and fault tolerant environments.
- Broad technical skills across multiple domains (Technology, Information, Process, Applications, etc.,) and platforms (client-server, web-based, N-tier, etc.,).
- Experience in deploying and monitoring applications on various platforms using Elastic Beanstalk, setting up the life cycle policies to back the data from AWS S3 to AWS Glacier.
- Wrote configuration code to provision solutions with Ansible, CloudFormation, and Terraform in different environments, leveraging well-architected tools and best practices to building secure, high performing, resilient, and efficient infrastructures based on operational excellence, security, reliability, performance efficiency, costeffective environments.

Education and Certifications

• University of Jos- 2014: B. Pharmacy.

• AWS Solution Architect – Associate/Professional.

Reference

Ernest Kwashie