AJOSE ANUOLUWAPO ELIZABETH

DevOps Engineer

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PROFESSIONAL SUMMARY

I am an experienced and versatile SRE / DevOps engineer with a proven track record of optimizing cloud infrastructure, enhancing system performance, and driving effective incident response. Adept at leveraging various cloud platforms, including AWS, Azure to achieve cost savings and operational excellence. Experienced in managing and optimizing key components of the DevOps ecosystem, such as version control systems like Git (GitHub, Bitbucket, Azure DevOps), continuous integration and deployment pipelines (GitHub Actions, Jenkins, Azure Pipelines, AWS CodePipeline), and container orchestration platforms (AWS EKS, AWS ECS, Kubernetes, ACR). Skilled in configuring and deploying various web servers (Nginx, Apache) and leveraging infrastructure-as-code tools like Terraform, CloudFormation and Ansible for streamlined deployments. Proficient in working with databases including MongoDB, MySQL, and MSSQL, ensuring data integrity and high availability. Skilled in Agile SCRUM and Scrum development methodologies, collaborating effectively with cross-functional teams to deliver high-quality software solutions, develop incident response plans, redesign system architecture for scalability and security, and establish disaster recovery solutions. Strong problem-solving and analytical skills, with a focus on continuous improvement and automation to optimize workflows and increase efficiency. Strong expertise in automation, scripting, and monitoring for efficient infrastructure management. Overall, a dedicated and results-driven DevOps engineer with a deep understanding of software development lifecycles and a passion for creating robust and scalable infrastructure solutions. Ready to contribute expertise, leadership, and technical excellence to drive successful project outcomes.

TECHNICAL SKILLS

- Cloud Platforms: Nutanix, Azure, AWS.
- Hands-on experience in DevOps implementation, cloud computing, and application development using tools like Kubernetes, Jenkins, Groovy.
- Configuration Management: Ansible.
- Containerization: Docker, Kubernetes, ACR, OpenShift.
- Continuous Integration/Continuous Delivery (CI/CD): Jenkins, GitLab CI/CD, Aws CodePipeline.
- Infrastructure-as-Code (IaC): Terraform, AWS CloudFormation.
- Linux administration, managing users, configuring services, virtual host setup, and network troubleshooting.
- Scripting: Bash Scripting, PowerShell Scripting.
- Monitoring and Logging: ELK Stack, Grafana.
- Version Control: Git, Github, Gitlab, AWS CodeCommit, Azure DevOps.
- Networking: TCP/IP, DNS, Load Balancing, VPN.
- API Management: KONG.
- Development: Javascript, NodeJS, JAVA, C, HTML, CSS, YAML, JSON, Python.
- Database: MongoDB, MySQL, MSSQL.
- AWS services: EC2, S3, RDS, Lambda, Route53, CloudWatch, CloudFront.
- Collaboration and Documentation: Confluence, Jira, Freshdesk.
- Experience in Agile Project Management and software development life cycle.

WORK EXPERIENCE

Nigeria Inter-Bank Settlement System (NIBSS)   **July 2022 – till date**
DevOps Engineer

- Automated the deployments of Java, Nodejs and .NET applications with CI/CD (Jenkins).
- Deploy Hashicorp Vault for secrets and credentials management.

- Created CI/CD pipelines to automatically deploy applications from SCM (GitHub), to different environments with Ansible, based on the branch, using Jenkins and also carried out unit tests and code quality test (using SonarCloud) in the pipeline.
- Provisioned infrastructures using terraform which is automated with Atlantis using GitHub pull requests.
- Collaborated with teammates to manage, expose, and fix cyber risks using tools like Rapid7 etc.
- Created CI/CD pipelines to automatically deploy applications from SCM (GitHub), to different environments with Ansible, based on the branch, using Jenkins and also carried out unit tests and code quality test (using SonarCloud) in the pipeline.
- Managed enterprise APIs using Kong (API gateway) to deliver advanced security, analytics and portals for customers to integrate with our services.
- Deployed Grafana dashboards, data sources, folders and permissions for all our financial institutions using Terraform to eliminate manual labor and improve efficiency.
- Created Github repositories and all the required branch protection rules as well as permissions for teams using terraform, this helped to standardize repository creation across the organization while also reducing the time taken by over 80%.
- Created and maintained documentation such as standard operating procedures, cloud elevations, high level platform scalability work flow diagrams, process and procedural documents for implementation.
- Implemented and maintained CI/CD pipelines using Jenkins and Gitlab CI; Terraform, and Ansible for automated software deployments, infrastructure provisioning, and configuration management.
- Developed and maintained CI/CD pipelines incorporating security scans, vulnerability assessments, and compliance checks, reducing deployment vulnerabilities by 42%.
- Configured and managed critical AWS services including CloudFront, Route53, and API Gateway to ensure reliable and efficient integrations for customer-facing applications, leading to a 25% improvement in overall application performance.
- Maintaining and developing automation scripts using Python, PowerShell, and Bash to automate and standardize routine tasks in the infrastructure.
- Managed security incidents and participated in post-incident reviews, recommending improvements to enhance incident response and recovery times.
- Standardized development, change, validation, and deployment processes to reduce complexity.
- Implemented Infrastructure-as-Code practices using Terraform and Ansible, resulting in consistent and repeatable deployments with reduced manual errors.
- Provisioned and administered servers and databases on AWS EC2, Dynamo DB, and RDS, guaranteeing high availabilityand stability for the company's projects. This resulted in a 99.99% uptime rate and zero critical incidents related to the infrastructure.
- Created re-usable Terraform and CloudFormation modules to build AWS infrastructure for ALB, ASG, EC2, security groups, RDS, and CloudWatch alarms.

LEVITIKALS   **Oct 2021 – July 2022**
SRE/DevOps Engineer
- Transformed Legacy modules into a containerized application and applied CI/CD pipelines
- Created monitoring dashboards driven out of built-in and customized metrics that cross-reference data, which helped monitor and identify issues as fast as possible.
- Engineered the setup of CI/CD pipelines using Azure DevOps and and further enhanced with Kubernetes and Argo CD.
- Conducted capacity planning and performance to ensure services can handle increased traffic during peak periods and build SLOs for the application.
- Created role-based access control (RBAC) and network security groups (NSGs), resulting in successful security auditing

KPMG   **Dec 2020 – Oct 2021**
Advisory/Cyber Unit
- Collaborated with unit members to offer advisory services and technology-focused consultation.
- Executed penetration testing to strengthen perceived cyber vulnerabilities.
- Researched technology-based programs to improve knowledge of cyber security.
- Collaborated with teammates to manage, expose, and fix cyber risks.

EDUCATION

Software Development Career Progression Program   **Mar 2022 – June 2022**
Microsoft/Elev8

Professional Diploma in Java Programming   **Dec 2019 – Dec 2021**
National Institute of Information Technology (NIIT) Ajah Center, Lagos State

Diploma in Web Design and Development   **Apr 2019 – Jun 2019**
Web Design Center of Learning: Boldlinks Technology institute

Bachelor of Art (B.A) History and International Studies   **Nov 2015 – Nov 2019**
Osun State University, Osun State, Nigeria

CERTIFICATION

- Microsoft/elev8 Software Development Career Progression Program Certificate
- Python Programming Foundations – UDACITY Nanodegree
- Technical Support Fundamentals - Coursera
- React JS mastery E-degree Certification - Udemy
- Nutanix Multicloud Automation Admistration