FESTUS OSAYI

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(Automation Advocate)

DevOps Engineer |Full-Stack Developer

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer and Full Stack Developer with 5 years of IT experience, including 3+ years in DevOps in FinTech and Consulting domains. Proven track record of implementing DevOps practices and collaborating across Software Development and Operations teams to deliver high-quality, scalable applications on Cloud computing Platforms such as Amazon Web Services (AWS) within fast-paced Agile environments, ensuring security, performance and reliability of mission-critical systems.

Highly experienced in full-stack development and API integrations across cloud (IaaS, PaaS, SaaS) and On-premises infrastructures. Excellent team player, analytical, problem-solving, and leadership abilities, with strong written and verbal communication skills.

EDUCATION

Seneca College, Toronto, Canada
Associate Degree in Computer Science (**Computer Programming**)   -   **(May 2022 – Aug 2023)**

TECHNICAL SKILLS

Operating Systems: Linux (RedHat 8, Ubuntu), Windows and MacOs
Cloud Platform: AWS (Elastic Compute Cloud (EC2), Elastic Block Storage (EBS), Elastic File System (EFS), Elastic Kubernetes Service (EKS), Elastic Container Registry (ECR), Simple Storage Service (S3), Virtual Private Cloud (VPC), Auto Scaling Group (ASG), Cloud Watch, Elastic BeanStalk Service, Relational Database Service (RDS), Active MQ, Route 53, Elastic Cache, CloudFront, AWS CLI.

Programming Languages:	Java, Bash Shell Scripting, Python, JavaScript
Infrastructure Provisioning:	HashiCorp Terraform
Distributed Version control tool:	GitHub, GitLab
Source Code Management:	Git
Build Tools:	Maven, Gradle, ANT (JAR, WAR, EAR, tar, zip)
Remote Artifactory Repository:	Nexus, ECR (Elastic Container Registry), Docker Registry
Source Code Quality Analysis Tool:	SonarQube
Application Server:	Tomcat and Wildfly
CI/CD Tool :	Jenkins, Code Build, Code Pipeline
Configuration Management:	Ansible
Containerization Tool:	Docker
Container Orchestration Tool:	Kubernetes
Image scanning Tool:	Trivy
Real Time Monitoring Tools:	Prometheus and Grafana, Amazon CloudWatch
Log Management/ data analytics Tool:	ELK (Elasticsearch, Logstash, and Kibana) stack, and EFK
Database Servers:	MySQL DB, Oracle DB, MongoDB
Feedback notification:	Email and Slack notification, Simple Notification Service (SNS)
Integrated Dev. Environment (IDE):	Visual Studio (VS)code, Pycharm
Project Management/Ticketing tools:	Jira/Confluence, Azure DevOps
Other tools:	MS Office, MS Visio, MS Teams, SharePoint, Power BI, Miro board

PROFESSIONAL EXPERIENCE

FCMB Group, Nigeria (Financial Services)	
Full Stack Developer	Jan 2020 – Jan 2022

Key Achievement: *Securely migrated monolithic frontend to micro-frontend architecture and implemented microservices, increasing scalability by 60% and reducing deployment time by 40%.*

- Implemented scalable, responsive Banking web applications using modern front-end technologies (HTML5, CSS3, JavaScript ES6+, React.js/Angular) and robust back-end frameworks (Node.js, .NET, Spring Boot); built and integrated RESTful APIs and third-party services for microservices architecture.

- Created a high-performance backend solution for internal banking staff applications using Java 8/11 and Spring Boot, enhancing operational efficiency and system reliability.

- Ensured Application Security by implementing OAuth2, JWT-based authentication, HTTPS enforcement, and secure coding standards.

- Implemented and optimized relational (PostgreSQL, MySQL) and NoSQL (MongoDB) databases through indexing, normalization, and query performance tuning.

- Deployed and managed scalable, cloud-based applications on AWS, leveraging services such as EC2, Lambda, S3, and RDS for high availability and performance

- Developed automated CI/CD pipelines with Jenkins, GitHub Actions, and GitLab CI to streamline build, test, and deployment processes.

- Wrote and maintained comprehensive Unit, Integration, and end-to-end tests using JUnit and Selenium to ensure code quality and reliability.

- Enhanced application performance through code profiling, Redis caching, and CDN optimization, resulting in faster load times and better scalability.

- Conducted A/B testing and user behavior analysis to optimize landing pages, increasing conversion rates by 15%.

SIMNET Inc. Canada *(IT Services and Solutions Company)*	
DevOps Engineer	April 2023 - Present

Key Achievement: *Automated AWS infrastructure provisioning using Terraform and YAML (*.yml) files, managing 30+ EC2 instances and 10+ VPCs, multiple IAM roles, which improved scalability and reduced manual provisioning time by 40%.*

- Reinforce VPC security best practices and configure AWS Bastion hosts with IAM policies, Security Groups, and Session Manager to securely access EC2 instances in private subnets, ensuring controlled, auditable SSH access

- Develop and maintain efficient inventory files, Ansible playbooks, Terraform/Kubernetes manifest files to support scalable, automated infrastructure and application deployments.

- Utilize Ansible for configuration management across 3 environments (Dev, QA, Prod), improving consistency and reducing deployment errors by 25%.

- Configure RBAC policies for user permissions in Kubernetes and create Ingress, Egress rules to regulate the Kubernetes cluster's inbound and outbound traffic.

- Successfully deploy containerized microservices on Kubernetes (EKS) cluster rather than self-managed K8S clusters using Kubeadm or KOPS, increasing deployment efficiency by 60%.

- Proactively secure container deployments by identifying and mitigating vulnerabilities in 90% of container images before production and applying profile-based configurations for multi-environment Java microservices.

- Automate Continuous Integration and Continuous Deployment (CI/CD) pipelines with Jenkins, integrating Maven and Gradle for building Java source code, accelerating build and deployment cycles by 20% across over 15 microservices.

- Lead GitOps practices, managing 20+ repositories in GitHub, streamlining branching and merging workflows, and improving deployment success rates by 35%.

- Reduce production downtime by 15% by implementing, monitoring and alerting with Prometheus and Grafana, and track infrastructure and application health and performance.

- Actively participate and contribute to Agile ceremonies (Daily Stand Up, Sprint Reviews, Sprint retrospectives, Sprint planning), ensuring 95% Sprint completion.

Topron Consulting Inc, Ontario, Canada	
DevOps Engineer	**Mar 2022 - April 2023**

Key Achievement: *Successfully containerized and deployed 20+ microservices on Amazon EKS using Docker, Helm, and GitOps, reducing release cycles by 40% and boosting scalability.*

- Automated AWS infrastructure provisioning using Terraform, managing 40+ resources including EC2, S3, IAM, and Auto Scaling, reducing manual setup time by 50%, and converted AMIs for use in production as part of a continuous delivery pipeline.

- Developed and maintained 50+ Ansible playbooks and YAML files to automate configuration across Development, QA, and Production environments.

- Built and optimized CI/CD pipelines in Jenkins, improving deployment speed by 30% and supporting 15+ microservices.

- Built and deployed Docker containers to deconstruct a monolithic app into microservices, thereby improving developer workflow, increasing scalability, and optimizing speed.

- Managed 30+ GitHub repos, streamlining collaboration through branch strategy, role-based access, and workflow automation.

- Implemented monitoring with Prometheus and Grafana, improving system visibility and reducing incident response time by 35%.

- Successfully resolved critical infrastructure issues with root cause analysis, improving uptime and operational efficiency across environments.