

FRANK OSASERE IDUGBOE

Technical AI Evaluator | DevOps & Cloud Engineer | AWS | Kubernetes | Cloud Security
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PROFESSIONAL SUMMARY

DevOps and cloud infrastructure engineer with 8+ years of experience across AWS, Kubernetes, Infrastructure-as-Code, automation, cloud security, CI/CD, observability, and production operations.

Experienced in analyzing complex technical problems, evaluating implementation approaches, troubleshooting distributed systems, identifying security and reliability issues, and translating technical reasoning into clear, actionable explanations. Strong hands-on background with AWS, Terraform, Kubernetes/EKS, Docker, Linux, Python/Bash, GitHub Actions, Jenkins, ArgoCD, IAM, networking, and DevSecOps.

Experienced in technical documentation, incident analysis, post-mortem reporting, engineering mentorship, and communicating technical decisions to different audiences. Master's candidate in Forensic Science with a cyber/cloud forensics focus, complemented by training and certifications in AI, cybersecurity, cloud operations, Kubernetes, DevOps, and observability.

CORE AI EVALUATION & TECHNICAL REASONING

- Technical response analysis and quality assessment
- Evaluation of technical approaches against requirements
- Identification of inconsistencies, implementation gaps, and edge cases
- Cloud architecture and infrastructure reasoning
- Security and reliability assessment
- Troubleshooting and root-cause analysis
- Technical documentation and structured explanations
- Following detailed technical requirements and acceptance criteria
- Reviewing CI/CD, infrastructure, and deployment approaches
- Evaluating operational risks and failure scenarios
- Communicating technical findings clearly and objectively

CORE TECHNICAL SKILLS

Cloud & Infrastructure:	AWS (EKS, VPC, Transit Gateway, IAM, KMS, Secrets Manager, CloudWatch), Azure, GCP, Terraform, CloudFormation, Ansible, Bicep
Containers & Platform Engineering:	Docker, Kubernetes (EKS/AKS/GKE), Helm, ArgoCD, Rancher, Kubernetes RBAC, Network Policies
CI/CD & Software Quality:	GitHub Actions, Jenkins/JCasC, Azure DevOps, SonarQube, Postman, OWASP ZAP
Security & Networking:	IAM, Security Groups, NACLs, KMS, Site-to-Site VPN, Kubernetes security, Defender for Cloud, Azure Sentinel, cloud security controls
Observability & Troubleshooting:	Prometheus, Grafana, CloudWatch, Jaeger, Azure Monitor, Application Insights, Log Analytics, Nagios, Zabbix
Programming & Automation:	Python, Boto3, Bash, PowerShell, Node.js, infrastructure automation, scripting, incident response

PROFESSIONAL EXPERIENCE

DEVOPS ENGINEER – CLOUD SECURITY FOCUS

OxygenX | Lagos, Nigeria

Oct 2024 – Present

- Operate high-availability Amazon EKS environments using ArgoCD and GitOps, supporting consistent staging and production deployments.
- Provision and secure AWS infrastructure using Terraform and CloudFormation, applying IAM, Security Groups, NACLs, and other controls to protect cloud environments.
- Design and maintain hybrid connectivity using AWS Transit Gateway and Site-to-Site VPN between on-premises systems and AWS services.
- Analyze application and infrastructure behavior using Jaeger, CloudWatch, and Grafana to identify bottlenecks and support incident troubleshooting.
- Investigate production issues across distributed services and translate technical findings into actionable remediation steps.
- Document infrastructure changes, operational decisions, troubleshooting findings, and production incidents.

LEAD DEVOPS ENGINEER

Yebox Technologies | Lagos, Nigeria

Apr 2021 – May 2025

- Led cloud and DevOps operations while mentoring six engineers and establishing standardized approaches to infrastructure, deployment, and troubleshooting.
- Managed multi-cluster Kubernetes environments using Rancher, evaluating workload behavior, deployment issues, scaling requirements, and operational risks.
- Built CI/CD workflows using GitHub Actions and integrated SonarQube and OWASP ZAP for automated code-quality and security assessment.
- Reviewed technical implementation approaches and helped engineers identify deployment, security, and reliability issues.
- Administered Atlassian Cloud, including user lifecycle management and cross-project workflow automation.

DEVOPS ENGINEER

The American Lotto | Lagos, Nigeria

Oct 2023 – Jun 2024

- Automated AKS and Azure Container Apps infrastructure using Terraform and Bicep, contributing to a 30% reduction in infrastructure costs.
- Built Azure DevOps pipelines and implemented Azure Monitor and Application Insights for release consistency and performance analysis.
- Designed and tested disaster-recovery strategies using Azure Site Recovery and geo-redundant storage to support 99.9% system resilience.
- Analyzed infrastructure performance and deployment behavior to identify opportunities for reliability and cost optimization.

DEVSECOPS ENGINEER – REMOTE

Intersource Global Inc. | Ontario, Canada

Feb 2021 – Aug 2023

- Integrated SonarQube and OWASP ZAP into Azure DevOps pipelines for automated security and quality assessment.
- Automated governance and security controls using Microsoft Defender for Cloud policies in support of ISO 27001 and SOC 2 requirements.
- Used Azure Sentinel and Log Analytics for threat detection, log correlation, investigation, and remediation.
- Evaluated security findings and translated technical risks into actionable remediation recommendations.

TECHNICAL / CLOUD ENGINEER

Colarriod Creations | Lagos, Nigeria

Feb 2018 – Jan 2021

- Deployed Nagios and Zabbix monitoring solutions and used operational data to identify infrastructure issues before they affected users.
- Containerized legacy applications with Docker and administered Cisco ASA firewalls and Site-to-Site VPN infrastructure.
- Automated recurring scaling, backup, and disaster-recovery processes using Python, Bash, and PowerShell.

ICT MANAGER

Heva Savvy School | Lagos, Nigeria

Sep 2016 – Dec 2017

- Managed server, hardware, Active Directory, firewall, endpoint security, and technical support operations.
- Diagnosed technical issues and communicated solutions to users with different levels of technical knowledge.

SELECTED TECHNICAL PROJECTS

KENNIS MUSIC: Designed a high-availability AWS architecture supporting 50,000+ concurrent users, incorporating IAM least-privilege controls and encryption.

KNIGHT VENTURES: Architected CI/CD workflows using Jenkins and GitHub Actions, completed infrastructure deployment, and implemented application-health monitoring and observability.

KUDIBAR: Managed application lifecycle, cloud troubleshooting, and high-traffic ticket-launch operations, using Jira automation for incident and workflow management.

TECHNICAL WRITING, COMMUNITY & MENTORSHIP

AWS COMMUNITY BUILDER

- Create technical content focused on AWS Cloud Operations, infrastructure reliability, security, and optimization.
- Explain complex cloud concepts and operational problems through structured technical articles and practical guides.
- Mentor community members on cloud architecture, troubleshooting, security, and infrastructure optimization.
- Published technical material includes a production post-mortem covering an automation failure affecting a Rancher EBS volume and recovery using Velero, alongside technical guides on AWS security and DevOps tooling.

EDUCATION

MASTER'S IN FORENSIC SCIENCE

Universidade Federal do Sul e Sudeste do Pará (UNIFESSPA), Brazil

Mar 2025 – Mar 2027

Higher National Diploma (HND), Electrical Engineering

Yaba College of Technology, Lagos, Nigeria

Jan 2014 – Apr 2016

SELECTED CERTIFICATIONS

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| • Aviatrix Multicloud Network Associate 2025 | • GitHub Foundations 2024 |
| • OCI Certified DevOps Professional 2025 | • Google Cybersecurity Certificate 2024 |
| • OCI Certified Observability Professional 2025 | • Kubernetes and Cloud Native Associate (KCNA) 2023 |
| • OCI Certified Multicloud Architect Professional 2025 | |
| • OCI AI Foundations Associate 2025 | |