

Felix Otieno Arogo

Cloud and Solution Engineer with hands-on experience in **cloud architecture design, system optimization, and secure cloud deployment**. Skilled in **AWS, Azure, and DevOps practices**, with a strong ability to bridge **technical and business requirements** through scalable, resilient, and cost-optimized solutions. Experienced in **customer-facing engineering, solution delivery**, and **cross-functional collaboration** with developers, product owners, and business stakeholders.

WORK EXPERIENCE

Indra(IT and Consulting)

Kenya, Nairobi (Onsite)

Software Engineer

FEB/2024 - PRESENT

- Delivered **customer-focused technical solutions** by analyzing Jira tickets, preparing technical design documents, and collaborating with developers to enhance enterprise systems while ensuring quality and compliance.
 - Led **service operations** for Environment Administration, Self-Service, and Social Media modules as Designated Responsible Individual (DRI), resolving incidents, debugging production issues, and implementing permanent fixes.
 - Partnered with **external stakeholders and third-party providers** to guide **API onboarding** and ensure secure integration across heterogeneous environments.
 - Designed and implemented **automation scripts and monitoring dashboards** (APEX, Jenkins) to improve deployment visibility and uptime reporting.
 - Created **user manuals**, provided **customer support** for complex SQL queries, and enhanced reliability through proactive performance analysis and data visualization.
 - Collaborated with cross-functional teams to execute **user acceptance testing (UAT)**, gather customer feedback, and refine system enhancements for better usability.
 - Reduced **batch processing time by 40%** (13h → 8h) through optimized database queries and automation improvements.
 - Decreased **system outages by 80%** (10 → 2/month) through end-to-end monitoring, telemetry, and root-cause resolution.
- Tech Stack:** Python, PL/SQL, C, C++, Jenkins, WebLogic, APEX, Postman, SQL Server

CLOUD & SOLUTION PROJECTS

AWS Scalable & Highly Available Web Architecture — Café (2025)

- Built a **multi-AZ, auto-scaling architecture** using EC2 Auto Scaling, ALB, launch templates, and CloudWatch alarms.
- Designed **secure networking** (public/private subnets, NAT gateway, security groups).
- Validated **auto scaling and fault tolerance** by simulating CPU load tests.

AWS Highly Available Web Application — Multi-AZ Resiliency (2025)

- Configured **load-balanced, health-checked target groups** across AZs using ALB + ASG.
- Implemented **RDS Multi-AZ failover** and **layered security architecture** for HA validation.

AWS Security Labs — Offensive & Remediation (fAWS.cloud & CloudGoat) (2025)

- Simulated real-world **cloud attack and remediation** workflows, including S3 misconfiguration, EC2 metadata SSRF, IAM privilege escalation, and EBS forensics.
- Strengthened expertise in **least privilege, credential hygiene, and secure automation**.

Azure — Key Vault & Always Encrypted for Azure SQL (2025)

- Integrated **Azure Key Vault** with **Azure SQL Always Encrypted** using ARM templates.
- Configured **Entra ID app registration** for secure authentication and key isolation.

EDUCATION

University of Nairobi, Bsc. Electrical and Electronics Engineering
Kenya, Nairobi, 2017 - 2022

CONTACT DETAILS

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[LinkedIn](#)
[GitHub/Portfolio](#)
Nairobi, Kenya (open to relocate)

TECHNICAL SKILLS

Backend: Python, Node.js, PL/SQL, Bash
Frameworks & OS: Flask, Linux/Unix
Databases: Oracle, MySQL, SQL Server, DynamoDB
DevOps Tools: Jenkins, WebLogic, Git
Cloud: AWS (EC2, S3, IAM, VPC, CloudWatch, Lambda, CloudFormation), Azure (Key Vault, Sentinel, Defender), GCP (Foundational)
Concepts: Cloud Architecture, Infrastructure as Code, Solution Design, Cost Optimization, Cloud Security, Data Analytics, AI Readiness

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-Co3), 2025

AWS Certified Cloud Practitioner (CLF-Co2), 2025

AWS Certified AI Practitioner(AIF-Co1), 2025

ALX Software Engineering Program Completion, 2023

LANGUAGES

English (Fluent)