

Festus Akhibi

Accra, Ghana · Festus.akhibi05@gmail.com · GitHub · LinkedIn · Portfolio

AWS-certified AI cloud engineer who builds event-driven serverless systems, reusable Terraform modules, and AI-powered automation and agents.

PROJECTS

Article App

2026

Terraform - Lambda - EventBridge Scheduler - S3 - Python 3.13 - SQLite - pytest

- Built a serverless daily-reading service, EventBridge Scheduler to Lambda to ntfy, that scans 33 RSS feeds and pushes one 5-15 minute article each day.
- Provisioned it with reusable Terraform modules across separate dev and prod environments on an S3 remote state backend, behind 105 pytest tests and a Make workflow.

Serverless ETL to Athena

2026

Lambda - S3 - AWS Glue - Amazon Athena - pandas - Parquet - AWS CLI

- Built an event-driven pipeline where CSVs landing under an S3 raw/ prefix trigger a Lambda that validates them and writes Snappy Parquet partitioned by region.
- Queried it through a Glue external table using partition projection, not a crawler, cutting crawler cost and write-to-query delay; capped Athena at a 1 GiB scan.

IoT Readings API and S3 Metadata Pipeline

2025-2026

Built twice, AWS CLI then Terraform - API Gateway - Lambda - DynamoDB - IAM - CloudWatch

- Designed a serverless REST API for sensor readings keyed on device_id and recorded_at, scoped to five DynamoDB actions, then rebuilt both stacks in Terraform.

shipit

2026

Claude Code agent skill - Python 3.11 - pytest - ruff - zero runtime dependencies

- Built a git shipping skill for Claude Code that scans a repo, groups changes into commits, and stops for approval before any push, with markdown workflows driving deterministic Python tools.
- Gated staging behind a preflight that halts on a suspected secret, ruled out git add -A and history rewrites, and covered the tools with 78 offline tests.

EXPERIENCE

Software Development Intern — Korba

Jun 2024 - Aug 2024

Accra, Ghana

- Engineered and unit-tested RESTful API backend modules for digital payment features.
- Resolved performance bottlenecks through debugging and refactoring, and wrote the technical documentation and workflow diagrams used for team onboarding.

EDUCATION AND CERTIFICATIONS

BSc Information Technology — Valley View University

Graduated Aug 2025

AWS Certified Solutions Architect - Associate | AWS Certified AI Practitioner | AWS Certified Cloud Practitioner

- Best Graduating BSc IT Student, ranked 1st in department. GPA 3.75 / 4.0.

TECHNICAL SKILLS

Cloud (AWS): S3, Lambda, DynamoDB, API Gateway, EventBridge, Textract, Glue, Athena, SNS, IAM, CloudWatch, STS

Infrastructure: Terraform (modules, S3 remote state, multi-environment), AWS CLI, GitHub Actions CI, Linux/Bash, Make, Git

Languages: Python, SQL (PostgreSQL/MySQL), Bash, JavaScript/TypeScript (working level), HTML/CSS

Libraries: boto3, pandas, NumPy, pytest, TensorFlow, scikit-learn, SQLAlchemy, Flask

Data and ML: ETL design, Parquet, star-schema warehousing, Databricks, CNNs, computer vision, PCA