

OLAWALE AZEEZ

Cloud Engineer | Platform Engineer | DevOps Engineer

Portfolio: az1600.github.io | GitHub: github.com/AZ1600 | LinkedIn: linkedin.com/in/olawale-azeez-40a891382/

PROFILE

Cloud and Platform Engineer focused on AWS, Kubernetes, Infrastructure as Code, GitOps, CI/CD, developer platforms and operational tooling. Builds production-minded systems with secure defaults, least-privilege access, automated validation, observability and evidence from real deployments. AWS Certified Developer - Associate and AWS Certified Solutions Architect - Associate.

CORE SKILLS

Cloud: AWS, Amazon EKS, Lambda, API Gateway, DynamoDB, EventBridge, SQS, ECR, IAM, Cognito, CloudWatch

Platform & Containers: Kubernetes, Docker, Argo CD, Backstage, GitOps, EKS Pod Identity, workload security

Infrastructure & Delivery: Terraform, CloudFormation, AWS SAM, GitHub Actions, CI/CD, immutable image delivery

Observability: Prometheus, Grafana, CloudWatch, metrics, alerting, runtime validation

Engineering: Python, FastAPI, TypeScript, React, Next.js, Bash, PostgreSQL

SELECTED ENGINEERING PROJECTS

CloudOps Command Center

AI-assisted platform operations | Next.js, TypeScript, PostgreSQL, GitHub Actions

- Built an operations command center that ingests CI, Terraform and infrastructure signals, explains risk and routes issues to service owners.
- Designed explainable remediation guidance and human approval gates so simulated fixes remain controlled and auditable.
- Positioned operational context, ownership and decision trace in one workflow to reduce fragmented troubleshooting.

PlatformPilot

Kubernetes operations dashboard | React, FastAPI, Python, Kubernetes, Docker

- Built workload visibility across pods, deployments, nodes and namespaces with live logs, events, filtering, search and auto-refresh.
- Added AI-assisted operational analysis to support troubleshooting and faster interpretation of cluster health.
- Improved frontend performance through route-level code splitting and deferred loading of heavy export dependencies.

Pharmacy API on Amazon EKS

AWS EKS workload engineering | FastAPI, Docker, ECR, DynamoDB, EventBridge, GitHub Actions

- Hardened a FastAPI container and Kubernetes workload with non-root execution, secure runtime settings and immutable ECR image delivery.
- Implemented EKS Pod Identity and least-privilege IAM for AWS access without static credentials.
- Validated the live AWS deployment with 2/2 replicas available, successful STS authentication, HTTP 200 health checks and DynamoDB persistence.

Terraform AWS EKS Platform

Infrastructure as Code | Terraform, AWS, EKS, IAM, GitHub Actions

- Structured reusable network and EKS modules with environment-specific configuration and remote Terraform state.
- Hardened the EKS baseline with private API access, control-plane logging, secrets encryption and encrypted gp3 node volumes.
- Added automated Terraform formatting and validation workflows, plus evidence-driven plan review before any cost-bearing apply.

GitOps with Argo CD

Declarative delivery | Argo CD, Kubernetes, GitHub Actions, Kubeconform

- Built GitOps application delivery using Argo CD Application and AppProject resources with constrained project boundaries.
- Added automated schema validation for both Kubernetes workload manifests and Argo CD custom resources.
- Validated the configured resource set with zero invalid, error or skipped resources before merge.

Backstage Developer Portal

Internal Developer Platform | Backstage, TypeScript, Kubernetes, GitHub

- Built an internal developer portal for service catalog, ownership visibility, technical documentation and self-service workflows.
- Created a FastAPI golden-path template that scaffolds service metadata, Kubernetes manifests, documentation and CI configuration.
- Added repository CI gates for formatting, linting, type checking, testing and production builds.

Cloud-Native Pharmacy Platform

Serverless multi-tenant AWS platform | Lambda, API Gateway, DynamoDB, Cognito, SQS, EventBridge

- Built tenant-aware serverless inventory workflows with Cognito JWT protection, DynamoDB persistence, asynchronous messaging and audit history.
- Added tenant-isolation and security regression coverage, explicit API CORS allowlisting and centralized API Gateway CORS ownership.
- Validated 31 Python tests, static analysis, CloudFormation/SAM templates and the frontend production build before merge.

ADDITIONAL ENGINEERING

OpsPilot SaaS

Multi-workspace AI operations SaaS | Next.js, TypeScript, PostgreSQL, Clerk, Stripe

- Strengthened production readiness with fail-closed authentication, tenant-isolation regression tests and a production dependency security gate.

AI Content Automation Platform

Serverless automation | AWS Lambda, DynamoDB, EventBridge, AWS SAM

- Designed a serverless workflow for multi-account content planning, queueing, scheduling and publishing automation.

AWS CERTIFICATIONS

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

ENGINEERING APPROACH

Design -> Provision -> Validate -> Deploy -> Operate

Secure by default | Evidence over claims | Automate repeatable work | Keep important operational actions observable and controlled