

Aisha Yusuf

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<https://github.com/CyGold> • <https://www.celyn.cloud>

Professional Summary

Cloud & DevOps Engineer with hands-on experience designing and maintaining cloud infrastructure across AWS, Azure and Google Cloud Platform, with a strong focus on reliability, observability, and cost efficiency. Delivered a 45% reduction in Kubernetes infrastructure costs through resource right-sizing and autoscaling on a live production environment. Improved deployment success rates by 25% and reduced downtime by 30% through CI/CD best practices, chaos engineering, and end-to-end monitoring with Prometheus and Grafana. Certified in Kubernetes (KCNA) and Azure Administration (AZ-104), with practical experience in Terraform-based IaC and a passion for building scalable, well-observed systems.

WORK EXPERIENCE

Paymish Tech Ltd 08/2024 - 02/2026 .

DevOps Engineer Abuja, Nigeria

- Designed and maintained scalable, secure AWS infrastructure using Terraform, enabling consistent and repeatable infrastructure deployment across multiple environments.
- Collaborated with development teams to implement chaos engineering and integration tests, improving service reliability and achieving a 25% increase in deployment success rates within 6 months.
- Deployed Grafana and Prometheus for end-to-end system observability, improving incident detection and reducing downtime by 30%.
- Built Grafana monitoring from scratch and defined SLOs (response time <200ms, throughput >1k requests/sec, error budget <1%), enabling proactive alerting and reducing production incidents by 5%.
- Designed and implemented monitoring dashboards in Prometheus/Grafana, configuring alerts on CPU spikes and memory leaks, which reduced mean time to detect (MTTD) by 40%.

Bewdy Book App(contract) 03/2025 - 11/2025 .

DevOps Consultant, Remote

- Optimized kubernetes infrastructure on DigitalOcean Kubernetes, reducing monthly cloud spend by 45% through right-sizing and eliminating over-allocated resources.
- Implemented Horizontal Pod Autoscaling (HPA) to dynamically scale workloads based on demand, improving resource efficiency and application resilience.
- Deployed Prometheus for real-time cluster observability, enabling proactive monitoring of CPU, memory and workload resource utilisation.
- collaborated with cross-functional team to produce infrastructure documentation to standardize operational processes and support team knowledge transfer.
- Managed automated application deployments via CI/CD pipelines using Github Actions and DOKS, ensuring system reliability and full visibility through monitoring and logging tools.

EDUCATION

Diploma in Cloud engineering

AltSchool Africa 03/2023 - 04/2024

- Completed hands-on infrastructure projects covering AWS, Kubernetes, Terraform and CI/CD pipelines

Bachelor of Science - BSC in Biotechnology

Federal University Dutse, Jigawa state 01/2018 - 02/2024

SKILLS

Cloud & DevOps: AWS, Azure, GCP, Terraform, Ansible, Jenkins, GitHub Actions

Monitoring & Logging: Grafana, Prometheus, Cloud Watch, Azure Monitor

Containerization and Orchestration: Docker, Kubernetes

Programming & Scripting: Python(FastAPI, Scripting) Bash Script

Others: Networking, Project Management (Zoho Sprint, Clickup)

Soft Skills: Adaptability, Attention to detail, Collaboration, Communication

PROJECTS

Socks Shop Microservices Deployment | Terraform, AWS EKS, Kubernetes, Jenkins, Helm, Prometheus, Grafana, Nginx, Route 53

- Provisioned a production-grade AWS EKS cluster using Terraform IaC, automating the full infrastructure lifecycle from VPC and node groups to IAM roles and security configurations.
- Built a Jenkins CI/CD pipeline to orchestrate end-to-end deployment of a microservices-based e-commerce application across multiple services including product catalog, shopping cart, and user authentication.
- Deployed Prometheus and Grafana via Helm on Kubernetes for real-time observability and health monitoring of all microservices running in the cluster.
- Configured Nginx Ingress Controller and AWS Route 53 for traffic routing and DNS management, and provisioned an SSL/TLS certificate for secure HTTPS access via a custom domain.

Github Link: <https://github.com/CyGold/updated-sock-shop-main>

Weather Dashboard | Python, AWS S3, Grafana

- Built a Python application that fetches real-time weather data from an external API and automatically stores it in Amazon S3 for persistent, queryable storage.
- Designed and configured Grafana dashboards to visualize weather trends and metrics, simulating a production-grade observability setup.
 - Demonstrated production-ready practices including error handling, environment variable management, and cloud resource cleanup.

Github Link: <https://github.com/CyGold/weather-dashboard-demo>

NBA Game Day Alert System | Python, AWS Lambda, Amazon SNS, EventBridge

- Built a serverless real-time notification system that fetches live NBA game schedules and scores via an external API, triggering automated alerts to subscribers using Amazon SNS.
- Architected an event-driven pipeline using AWS EventBridge to schedule and invoke Lambda functions, eliminating the need for always-on servers and reducing infrastructure cost
- Managed the full deployment lifecycle from local development to cloud, using Python and AWS CLI to provision and configure Lambda, SNS, and EventBridge resources.

Github Link: <https://github.com/CyGold/game-day-notif>

CERTIFICATES

Kubernetes and Cloud Native Associate(KCNA)

Microsoft Azure Administrator Associate(AZ-104)

Google Associate Cloud Engineer (In-progress)