

OWOLABI Yusuff Obafemi | DevOps | Platform Engineer | Cloud Engineer

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Professional Summary

Platform Engineer and DevOps Engineer with hands-on experience designing Internal Developer Platforms (IDPs), Kubernetes-based deployment pipelines, GitOps workflows, Infrastructure as Code, and cloud-native platforms across AWS, Azure, and GCP. Experienced building production-inspired automation platforms that improve developer productivity through self-service infrastructure, deployment observability, CI/CD automation, and Kubernetes orchestration. Strong background in Platform Engineering, Cloud Security, DevSecOps, and Infrastructure Automation using Python, Terraform, Docker, Helm, Kubernetes, GitHub Actions, ArgoCD, and AWS.

Links

[LinkedIn](#)

Technical Skills

Cloud Platforms: AWS, Azure, GCP (Services Resources)

DevOps & Platform Tools: Jenkins, Ansible, Git, GitHub Actions, Docker, Kubernetes, Terraform, CDK,, Python, Go (In Progress), Bash, YAML, Linux, Networking, Platform-CLI, Developer Experience (DevEx), Internal developer Platform (IDP)

CI/CD: Pipeline automation, GitOps , Jenkins, GitLab CI, Argo CD, Flux, Helm

Cloud Security: IAM hardening, MFA+RBAC, SOC monitoring, Sentinel, Splunk, Suricata

Networking: VPC, Subnets, Security Groups, NLB/ALB, DNS, DHCP, IP routing

Automation / Scripting: Infrastructure automation (Terraform/CDK), CloudFormation, Shell scripting

Containerization: Docker, ECS (EC2 & Fargate), ECR

Monitoring: CloudWatch, Metabase, ELK Stack

Observability & AlertManager: Prometheus, Grafanna, Kube-State-Metric, Slack-Notification, AWS SNS

Database: PostgreSQL, Redis, MySQL, DynamoDB

Soft Skills

- Cross-Functional Collaboration • Agile & DevOps Mindset • Analytical Problem-Solving & Root Cause Analysis • Technical Communication (Written & Verbal) • Stakeholder Management • Ownership & Accountability • Adaptability in Dynamic Environments • Continuous Improvement • Security-First Mindset • Strategic Planning • Time Management & Prioritization • Mentoring & Knowledge Sharing

Work Experience

Expadox Lab | Mentorship | Remote

DevOps | Platform Engineer | 04/2026 - Present

- **Build, Secure, and Ship a Real Product (SaaS, OpsShield)**, an internal operations platform that helps growing teams manage work, people, and approvals in one place. on AWS.
- Engineered and deployed GroundUp (StackBridge), a Production-Enterprises-Grade, Internal Developer Platform (IDP) in Python, on AWS.
- Led an end-to-end implementation of an Automated Multi-Cluster Infrastruture Platform with Cloud-native on Microsoft Azure.
- Architected, deployed, and managed a production-grade cloud-native DevOps and Platform Engineering solution for a fintech application ("Payday") on AWS

CloudSec Network | Remote

DevOps & Cloud Engineer | 05/2025 - Present

- Designed and Implemented CI/CD pipelines in Jenkins, integrating Git version control with infrastructure deployments. Collaborated with Cloud teams to optimize CI/CD pipelines and resolve deployment issues.Built secure AWS infrastructure with CDK; automated multi-environment deployments (Automation).

- Implemented IAM with MFA & RBAC, reducing access risks.
- Automated provisioning of AWS services (Lambda, EC2, ECS/Fargate, ECR, RDB, CloudWatch, CloudFront, VPC, IAM).
- Deployed a static website using S3 bucket, Route53 DNS, SSL certificate, and CloudFront distribution for secure global content delivery.
- Integrated Lambda functions to trigger on S3 file uploads, automating backend workflows.
- **Proficiency in the usage of AWS ECS/ECR, RDS on either resources of EC2 or Fargate;** Currently deployed a Grafana, Metabase that runs on port 3000 in a public subnet that runs on a Docker/Container (Containerization).

CyblackOrg | Remote

DevOps & Cloud Engineer | 05/2024 - 12/2024

DevOps/Cloud Engineer | Intern | Team Lead

- Hardened Azure environments by remediating IAM misconfigurations.
- Investigated security alerts with Sentinel SIEM & responded to SOC incidents on Cloud Native Architecture.
- Created phishing case studies & mapped controls to ISO/NIST frameworks.
- Migrated workloads securely to Azure cloud pipelines.
- Developed compliance artifacts (risk assessments, data retention policy).

Excellerate (In conjunction with St. Louis University of America (SLU) | St.Louis University, America

Cloud Practioner Engineer, Intern | 01/2024 - 04/2024

- Real-world hands-on experience in Cloud Security (Cloud Craft-Mastering Cloud Solutions) using real-world experience like SaaS, PaaS, and IaaS, using AWS (Amazon Web Service) EC2 Instances to create a Virtualized Environment, Lambda (Serverless Architecture).
- Implemented a seamless transition of a pseudo company's infrastructure from on-premises to a cloud-native environment, achieving a 40% increase in operational efficiency and aligning technology with strategic organizational objectives.

Certifications and Training

- Git, Ansible, Jenkins, K8's - Level 1 KodeKloud Certificate
- #100 Days of DevOps KodeKloud Certificate
- AVIATRIX- MCNA (Multi-Cloud Network Associate
- GCP ACE (Associate Cloud Engineer) (Expected)
- AWS Solutions Architect Associate (Expected)

Education

Baze University, Abuja | FCT, Abuja

Professional Diploma In Cybersecurity

- Developed expertise in network security, incident response, cloud hardening, and penetration testing.
- Tools: Wireshark, Suricata, Splunk, Sentinel, Nmap, Metasploit, Terraform, Kubernetes
- Gained real-world experience in cloud security simulations and SOC environments.

Hands-on Project / Experienced

- Engineered and deployed StackBridge, a production-inspired Internal Developer Platform (IDP) in Python, automating Kubernetes application delivery through a modular deployment pipeline featuring validation, container image build and security scanning, registry publishing, Helm-based deployments, GitOps synchronization, deployment observability, Slack notifications, and a self-service Service Catalog, significantly enhancing developer experience, deployment consistency, and platform scalability using Kubernetes, Docker, Helm, GitHub Actions, and GitOps principles.
- Led the end-to-end implementation of an Automated Multi-Cluster Infrastructure Platform with Cloud-native on Microsoft Azure, leveraging Terraform (IaC), Azure Kubernetes Service (AKS), Azure Container Registry (ACR), Kubernetes, Helm, Prometheus, Grafana, Alertmanager, Git, and GitHub. Automated cloud resource provisioning, container orchestration, infrastructure lifecycle management, monitoring, and incident response workflows, resulting in a secure, scalable, highly available, and production-ready environment.
- Architected, deployed, and managed a production-grade cloud-native DevOps and Platform Engineering solution for a fintech application ("Payday") on AWS, leveraging Kubernetes, Terraform, Helm, Docker, GitHub Actions/(GHCR), Argo CD, and GitOps to automate Infrastructure as Code (IaC), CI/CD pipelines, progressive Canary deployments, and platform bootstrapping, while implementing comprehensive observability with Prometheus, Grafana, and Alertmanager to enhance scalability, reliability, security, operational resilience, and developer productivity across a highly available microservices architecture.

- Designed, build and managed a production-ready K8s based platform for a fintech application,{"NebulaPay-OPS"} that support Continuous Delivery, Security Scanning, Observability and a robust operational produce with full DevOps lifecycle using Version-controlled source code, CI/CD pipelines, Docker, Kubernetes, Terraform(IaC), GitOps using ArgoCD to automate deployments, ensuring consistency and eliminating drift. This enabled faster, secure, and scalable releases while improving system reliability and operational efficiency, with HPA deployment style.
- Built and containerized a Spring Boot application, **3-Tier Cloud Deployment (AWS, Docker, CI/CD)**, automated Docker builds with GitHub Actions, configured secure IAM-based authentication to Amazon ECR, and resolved AWS token and permission issues during CI/CD integration.
- Architect and provision a **Lab. Management Service (LMS)**; a cloud-based automation system designed to **provision, manage, and monitor lab environments** for training, testing, or development purposes. It enables users or teams to dynamically create isolated, on-demand lab instances using predefined infrastructure templates (e.g., via Terraform or CloudFormation), manage their lifecycle, and automatically tear them down to optimize costs.