

David Akalugo

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CERTIFICATIONS, SKILLS & TECHNOLOGIES

- **Certifications:** Microsoft Certified: Azure Administrator Associate (AZ-104); AWS Certified DevOps Engineer Professional (DOP-CO2); AWS Solutions Architect - Associate (SAA-C03); GitHub Actions by GitHub.
- **Skills:** DevOps; Continuous Integration and Continuous Delivery (CI/CD); Infrastructure as code (IaC); Cloud Development; Bash/Shell Scripting; API Management; Site Reliability Engineering (SRE); Cloud Security; Monitoring and Logging (Prometheus, Grafana, Loki, ELK Stack).
- **Technologies:** Microsoft Azure; Amazon Web Services; Red Hat OpenShift; AWS Lambda; Amazon EC2; Amazon S3; Amazon Route 53; Amazon VPC; GitHub Actions; Linux System Administration; Terraform; Bicep (Domain-Specific Language); Azure CLI; Azure Virtual Machines; Azure DevOps; Jenkins; GitLab; Git - Version Control; Python; Kubernetes; Docker; Ansible; ArgoCD; Nexus; VMWare; Artifactory; Scrum; Agile.

WORK EXPERIENCE

INFINION Technologies

May 2024 –Present

DevOps Engineer

INFINION is a Microsoft partner focused on creating advanced IT solutions (using Microsoft tools) that address the evolving needs of its clients across multiple sectors.

- Designed and collaborated with colleagues to set up enterprise-scale landing zones for financial service companies on Azure.
 - **Key Results:** Established 5+ landing zones across global regions for government agencies and financial institutions, supporting over 3 million+ users with high availability and security compliance for financial regulations.
 - **Stack:** Azure CAF Modules, Well-Architected Framework
- Developed and enforced cloud-native security best practices for microservices deployed on Azure Red Hat OpenShift (ARO), ensuring compliance and resilience.
 - **Key Results:** Reduced security vulnerabilities by 80% using automated scans and policy enforcement, achieved zero critical security breaches in production, and implemented fine-grained RBAC for 50+ microservices.
 - **Stack:** Azure Red Hat OpenShift (ARO), Azure Key Vault, Azure Monitor, OpenShift Logging Operator, Vector, Loki, Trivy, RBAC.

Astract9

Jan 2022 –April 2024

DevOps Engineer

Astract9 is a digital and marketing agency primed towards promoting businesses on social media and through SEO lead generation.

- Utilized infrastructure automation (Terraform, Bicep, Azure CLI) and configuration tools to execute migration projects from on-premise to Azure.
 - **Key Results:** Migrated 20+ critical workloads seamlessly, reducing operational downtime to <2%, and saving \$200K+ annually through optimized cloud architecture.

- Built and maintained CI/CD pipelines using Azure DevOps, GitHub Actions, and Jenkins, improving deployment processes.
 - **Key Results:** Reduced deployment times by 40%, achieving better build success rates across 15+ microservices through automation enhancements.
 - **Stack:** GitHub Actions, Azure DevOps, Jenkins.
- Collaborated with development and operations teams to develop highly available microservices applications on the Azure cloud platform.
 - **Key Results:** Improved system reliability to 99.95% uptime and 100ms latency, addressed 50+ P1 incidents with an average resolution time of <1 hour, and deployed 10+ performance upgrades with measurable impact on user satisfaction.
 - **Stack:** Kubernetes, Docker, Python, Sonarqube, Trivy, OWASP, Terraform.

PROJECTS

Python Application on Azure Kubernetes Service — [GitHub](#)

- Python (Django) application on a private AKS cluster using Terraform modules and GitHub Actions. Includes code and image scanning, implementation of Kubernetes security practices, monitoring with Prometheus/Grafana, and alerting with Microsoft Teams channel webhook.

AWS Serverless QR Generator with Lambda, API Gateway, & S3 — [GitHub](#)

- Deployed a serverless QR generator on AWS using Jenkins as CI/CD tool. API Gateway integration with Lambda and S3.

Azure Static Website with Geo-Routing Using Github Actions — [GitHub](#)

- Deployed a two-tier website on Azure using Terraform and GitHub Actions. Traffic Manager was used to implement geo-routing logic

EDUCATION

AltSchool Africa

Diploma, Cloud Engineering

May 2023

University of Ibadan

B.Sc. Microbiology

March 2018

INTERESTS

- Arsenal FC; Popular music (rock, pop, jazz, r&b, soul, hip-hop, indie, electronic, African/world music - '60s onward); The Sopranos; Harry Potter; DevOps: APIs, Helm, C#, Golang.