TESFAMICHAEL ABOSET

DEVOPS ENGINEER

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Summary

DevOps Engineer with experience in CI/CD automation, Kubernetes architecture, and infrastructure management across cloud and on-premises environments. Skilled in microservices deployment, Vault security, GitOps, and monitoring and performance across financial and other sectors.

Experience

Kifiya FInancial Technology PLC, Jan 2025 – Present
DevOps Engineer

- Managing and automating CI/CD pipelines with Jenkins, GitHub Actions, and GitLab, reducing deployment time and ensuring seamless rollouts.
- Overseeing **12+** microservices in multiple languages, deployed across **5 banks' on-premise servers**, ensuring high availability and performance.
- Improved product recommendations and increased sales Implemented automated **HashiCorp Vault** management using Ansible, securing sensitive credentials and reducing manual secret handling risks.
- Managing self-hosted GitLab CI/CD, container registry, optimizing image storage, and enforcing security best practices.
- Leading the design and implementation of **Kubernetes architecture**, planning migration from on-premise deployments to a scalable containerized environment.

Ablaze IT Labs and Engineering PLC, Apr 2024 – Jan 2025
DevOps Engineer

- **CI/CD Optimization**: Designed CI/CD pipelines in Azure DevOps, reducing deployment failures by **60%** and cutting release cycles from **2 days to 3 hours**.
- **Kubernetes & Database Management**: Managed **4-node** AKS clusters, improving app reliability and optimizing PostgreSQL database performance by **35%**.
- **Infrastructure Provisioning**: Deployed and managed Azure VMs and **Azure** Blob Storage, ensuring scalability and cost efficiency.
- **Microservices Deployment**: Developed and secured **10+** microservices on Azure AKS, reducing latency by **40%** and improving system resilience.
- **Team Collaboration & GitOps**: Led GitOps adoption, streamlining infrastructure management and boosting deployment efficiency by 50%

AddisPay Financial Technologies PLC, Dec 2023 – Sep 2024

Jr. DevOps Engineer

- Managed Rancher RKE2 cluster setup and management for high availability and fault tolerance.
- Enhanced application connectivity and security through self-hosted services like Docker, kubernetes and Istio.
- Automated deployments and ensured environment consistency with ArgoCD and GitLab CI/CD.
- Simplified service communication and enabled advanced traffic management with Istio deployment.
- Implemented comprehensive monitoring and observability with Prometheus, Grafana, and Kiali.

Hirundo AB Telecommunication VAS, Jun 2022 – Nov 2023
IT Support Engineer

- Configured, maintained, and optimized servers to ensure reliable performance and availability.
- Installed, upgraded, and troubleshoot hardware components to minimize system failures.
- Set up and manage enterprise-grade software and network infrastructure to enhance connectivity and system efficiency.
- Diagnosed and resolved software and network issues, ensuring smooth operations.
- Provided technical support, addressing queries from staff and clients to ensure issue resolution.

Education

Bachelor of Science in Electrical and Computer Engineering 2021

Major: Computer Engineering

Key Skills

Major Phases of DevOps Lifecycle · Infrastructure as Code (IaC) · Continuous Integration/Continuous Deployment (CI/CD) · Monitoring & Logging

Languages: Golang, Python, Bash, **YAML**

Containerization & Orchestration: Docker, **Kubernetes**

Cloud Services:

 - **Azure** (AKS, Blob Storage, VM),

 - **AWS** (EKS, S3, ECS, EC2),

 - **GCP** (GKE, App Engine, Cloud Run)

CI/CD Tools: Azure Devops, Gitlab CI/CD, ArgoCD, Jenkins, Github Actions

IaC Tool: Terraform

Monitoring & Logging: Prometheus, Grafana, Kiali