

JEFFERY LOFONEH ASAMANI

DevOps & Backend Engineer

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SUMMARY

DevOps & backend engineer with ~2 years building CI/CD pipelines, automating infrastructure, and improving observability across Linux and Windows environments. Deploys and troubleshoots .NET/C# and React web and USSD applications, administers PostgreSQL and MongoDB, and cut incident resolution time by ~50% with modern observability tooling.

EXPERIENCE

DevOps Engineer | *Adaptive Computer Solutions Ltd — Accra, Ghana Aug 2024 – Present*

- Build CI/CD pipelines on Azure DevOps and Azure Kubernetes Service (AKS) to build, test, and release applications.
- Deployed the LGTM observability stack (Loki, Grafana, Tempo, Prometheus) across production applications, cutting mean incident resolution time by ~50%.
- Deploy and troubleshoot Web and USSD applications built in C#/.NET and React across multiple environments.
- Set up and administer PostgreSQL and MongoDB databases, including configuration, access control, and backups.
- Set up Uptime Kuma to monitor servers and live endpoints, with alerts integrated into Microsoft Teams for real-time downtime notifications.
- Developing a Go CLI tool to standardize CI/CD and operational tasks for on-premises deployments.

DevOps Engineering Intern | *Adaptive Computer Solutions Ltd — Accra, Ghana Feb 2024 – Aug 2024*

- Wrote Bash and PowerShell scripts to automate health monitoring of 12 Linux and 5 Windows servers, replacing manual checks and improving reliability.
- Deployed and configured applications and services in on-premises environments.

Independent Software Development & Study Nov 2022 – Feb 2024

- Self-taught programming, cloud, and DevOps fundamentals while building hands-on projects, transitioning into a professional DevOps career.

PROJECTS

GiftBanc — Gift Card Platform (Contract)

Docker, Ansible, Traefik, GitHub Actions, DigitalOcean

- Built and maintained CI/CD and hosting infrastructure for a live e-commerce gift card platform (giftbanc.com), collaborating with one developer.
- Containerized deployments with Docker, automated provisioning with Ansible, and configured Traefik for load balancing and reverse proxy.

WIN Transport Services — Bus Booking Admin Portal (Contract)

Next.js, TypeScript, Prisma, Zod, Vercel

- Built the admin portal for a live bus-booking platform (wintransportservices.com) alongside another developer.

WIN Church Administration App

Ruby on Rails 8, Hotwire, Tailwind/DaisyUI, PostgreSQL, Pundit

- Building a multi-tenant church administration platform with role-based access control, member and group management, and attendance with pastoral-insight reporting (in development).

SKILLS

Languages: Python, Ruby, Go, TypeScript

Cloud & DevOps: AWS (EC2, EKS, ECS, ECR), Azure (AKS, Azure DevOps, Blob Storage), Docker, Kubernetes, Terraform, Ansible, Traefik

CI/CD & Observability: GitHub Actions, Azure DevOps, Grafana, Loki, Tempo, Prometheus, OpenTelemetry, Uptime Kuma

Databases: PostgreSQL, MongoDB

Frameworks: React, Next.js, Django, FastAPI, Gin, Prisma, Ruby on Rails

CERTIFICATIONS

AWS Cloud Practitioner · Microsoft Azure Fundamentals (AZ-900) · Introduction to FinOps (FinOps Foundation) · Professional Foundations (ALX Africa)

EDUCATION

BSc Metallurgical Engineering | *Kwame Nkrumah University of Science and Technology (KNUST), Kumasi Aug 2018 – Nov 2022*