

# Aimable Mugwaneza

DevOps | Cloud Infrastructure | CI/CD | Docker | AWS | Monitoring

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## PROFESSIONAL SUMMARY

Cloud & DevOps-focused Computer Science graduate with hands-on experience deploying secure, production-grade cloud infrastructure using AWS, Docker, and Terraform. Proven ability to build and automate CI/CD pipelines, deploy secure AWS infrastructure, and monitor containerized applications in production. Seeking a DevOps/Cloud Engineering role where I can drive automation, system reliability, and infrastructure scalability.

## TECHNICAL SKILLS

**Cloud & DevOps:** AWS (EC2, VPC, S3, IAM, Route 53, CloudWatch, ECS, ECR, RDS, Secrets Manager), Terraform, Docker(Compose, Hub), GitHub Actions, NGINX, Certbot, Linux

**CI/CD & Infra-as-Code:** GitHub Actions, SSH, Bash, GitHub Secrets, Terraform Modules

**Monitoring & Observability:** Prometheus, Grafana, cAdvisor, Node Exporter, Alerting

**Languages & Web:** JavaScript, React, Node.js, Express API, HTML, CSS, Python

**Databases:** MongoDB, MongoDB Atlas, SQLite, SQL

**Tools:** Git, GitHub, VS Code, Docker Compose, Microsoft Office Suite

**Skills:** Troubleshooting, Debugging, Test-Driven Development

## EDUCATION

**Towson University**, College of Science and Mathematics

Towson, MD

*Bachelor of Science, Computer Science*

May 2025

GPA: 3.70/4.00

## CERTIFICATIONS

CompTIA Security+

March 2025

AWS Certified Cloud Practitioner

April 2025

AWS Solutions Architect – Associate

[In Progress]

Terraform Associate

[In Progress]

## RELEVANT COURSEWORK

Data Communications & Networking, Operating Systems, Web-Based Programming, Software Engineering, Database Management Systems, Data Structures

## CLOUD & DEVOPS PROJECTS

**Secure Cloud Portfolio Website** - [aimablem.dev](https://aimablem.dev)

[github.com/aimablM/aimable-myportfolio](https://github.com/aimablM/aimable-myportfolio)

*React, Docker, GitHub Actions, AWS EC2, Terraform, Route 53, NGINX*

- Designed, built, and deployed a personal portfolio React app containerized with Docker and served via NGINX on an EC2 instance provisioned using Terraform.
- Configured a secure VPC with public subnets, internet gateway, route tables, and tightly scoped security groups.
- Implemented a GitHub Actions CI/CD pipeline that automated image builds, Docker pushes to ECR, and remote deployments to EC2, reducing manual deployment time by 90% with GitHub Actions workflow.
- Secured domain routing using Route 53 with HTTPS via Certbot and automatic SSL renewals.

**Monitoring Stack for Live Infrastructure** - [monitor.aimablem.dev](https://monitor.aimablem.dev)

[github.com/aimablM/grafana-prometheus-monitoring-stack](https://github.com/aimablM/grafana-prometheus-monitoring-stack)

*Prometheus, Grafana, Docker Compose, Node Exporter, cAdvisor, NGINX, EC2*

- Deployed a real-time observability stack to monitor EC2 system and all Docker containers.
- Created Grafana dashboards for system metrics and implemented alerting for CPU/memory thresholds.
- Configured CloudWatch to detect EC2 status check failures and auto-restart the instance.
- Deployed to monitoring.aimablem.dev with TLS and reverse proxy routing via NGINX.

**Forever Store – FullStack E-Commerce Deployment** - [forever.aimablem.dev](https://forever.aimablem.dev)

[github.com/aimablM/forever-store-deployment](https://github.com/aimablM/forever-store-deployment)

*Vanilla JS, Node.js, Express API, MongoDB Atlas, Docker Compose, GitHub Actions, NGINX, EC2*

- Forked, containerized, and deployed a multi-service MERN application to EC2 instance using Docker Compose.
- Managed subdomains (forever.aimablem.dev, api.forever.aimablem.dev) with NGINX reverse proxy and wildcard SSL.
- Hardened deployment with TLS, restart policies, and health checks across services.

**FlashLearn – Custom Full Stack Flashcard App** - [flashlearn.aimablem.dev](https://flashlearn.aimablem.dev)

[github.com/aimablM/flashlearn-cloud-infrastructure](https://github.com/aimablM/flashlearn-cloud-infrastructure)

*Prometheus, Grafana, Docker Compose, Node Exporter, cAdvisor, NGINX, EC2*

- Built and deployed a self-coded learning platform with secure user auth and flashcard creation.
- Designed a CI/CD pipeline for multi-service Docker deployment using GitHub Actions and Docker Hub, enabling fully automated container builds and zero-downtime production updates.
- Managed secret environment variables in GitHub Secrets and enforced secure domain isolation.
- Ensured zero-downtime updates and restart policies for high availability.

## ADDITIONAL EXPERIENCE

**Amazon**

Aberdeen, MD

*Returns Learning Ambassador*

December 2020 – June 2024

- Led technical onboarding programs for new hires, delivering hands-on training for company software tools and procedures
- Optimized return processing workflows, increasing operational efficiency by 15% through process improvements and training initiatives
- Managed cross-functional team logistics, coordinating resources, schedules, and priorities to ensure efficient operations and timely delivery

**Target**

Cockeysville, MD

*Fulfillment Associate*

December 2019 – May 2020

- Efficiently coordinated and processed customer pickup orders, ensuring accuracy and timely availability
- Provided excellent customer service by assisting shoppers in locating items, navigating the store, and addressing inquiries
- Adapted to various roles as needed, demonstrating flexibility, problem-solving skills, and a strong work ethic in a fast-paced retail environment