

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 multi-environment 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, Java, Python

Databases: MongoDB, MongoDB Atlas, SQLite, SQL

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

EDUCATION

Towson University, College of Science and Mathematics
Bachelor of Science, Computer Science

Towson, MD
May 2025
GPA: 3.70/4.00

CERTIFICATIONS

CompTIA Security+

AWS Certified Cloud Practitioner

AWS Solutions Architect – Associate

Terraform Associate

March 2025
April 2025
[In Progress]
[In Progress]

RELEVANT COURSEWORK

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

CLOUD & DEVOPS PROJECTS

Multi-Environment CI/CD Pipeline [aimablem.dev](https://github.com/aimablM/multi-env-cloud-cicd-pipeline)

<https://github.com/aimablM/multi-env-cloud-cicd-pipeline>

Docker, GitHub Actions, AWS ECR/EC2, NGINX, Route 53, Let's Encrypt, Multi-Branch Strategy

- Architected enterprise-grade multi-environment pipeline with complete dev/staging/production isolation using branch-based deployments, enabling parallel development workflows
- Automated container orchestration with environment-specific Docker tags, systematic port allocation, and zero-downtime deployments using blue-green deployment principles
- Implemented infrastructure with NGINX reverse proxy, wildcard DNS routing, automated SSL certificate management for multiple subdomains
- Designed complex CI/CD workflows with 3 separate GitHub Actions pipelines, reducing deployment risk by 90% and manual deployment time by 95%

Secure Cloud Portfolio Website - [aimablem.dev](https://github.com/aimablM/aimable-myportfolio)

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.

Infrastructure Monitoring Stack - [monitor.aimablem.dev](https://github.com/aimablM/grafana-prometheus-monitoring-stack)

github.com/aimablM/grafana-prometheus-monitoring-stack

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

- Deployed comprehensive observability infrastructure monitoring EC2 systems and containerized applications with real-time metrics collection
- Created Grafana dashboards for system metrics and implemented alerting for CPU/memory thresholds.
- Automated infrastructure recovery with CloudWatch integration for EC2 health checks and auto-restart capabilities
- Secured monitoring endpoints with TLS termination and reverse proxy routing via NGINX

FlashLearn – Custom Full Stack Flashcard App - [flashlearn.aimablem.dev](https://github.com/aimablM/flashlearn-cloud-infrastructure)

github.com/aimablM/flashlearn-cloud-infrastructure

Vanilla JS, Node.js, Express API, MongoDB Atlas, Docker Compose, GitHub Actions, NGINX, EC2, Route53

- Built and deployed a self-coded learning platform with secure user auth and flashcard creation
- Designed end-to-end CI/CD pipeline for multi-service Docker deployment using GitHub Actions and Docker Hub, enabling fully automated container builds and low downtime production updates
- Managed secret environment variables in GitHub Secrets and enforced secure domain isolation
- Designed scalable microservices architecture with separate frontend/backend containers and systematic health monitoring

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