

Mohamed Zaki

DevOps Engineer

(+20) 1288799068 | mohamedzaki827@gmail.com | linkedin.com/in/mohamed-zaaki | github.com/Mohamedzaakii | Cairo, Egypt

PROFESSIONAL SUMMARY

Results-driven DevOps Engineer experienced in container orchestration with Kubernetes and Helm, containerization using Docker, Infrastructure as Code with Terraform, CI/CD automation with GitHub Actions, cloud infrastructure on AWS, and monitoring with Prometheus and Grafana. Skilled in Bash scripting and managing Linux environments to automate tasks, optimize workflows, and deliver scalable, resilient, and high-performance cloud-native systems.

PROJECTS

End-to-End CI/CD Pipeline for Application Deployment GitHub	GitHub Actions Terraform Docker
<ul style="list-style-type: none">Automated complete infrastructure provisioning and application deployment using Terraform, AWS EC2 and DockerImplemented security-first CI/CD pipeline with Trivy scanning and Slack notifications in GitHub ActionsReduced deployment time from 30 to 5 minutes (85% faster) and eliminated manual configuration errors by 90%	
Terraform-Based AWS Static Website Hosting GitHub	Terraform S3 CloudFront
<ul style="list-style-type: none">Automated the provisioning of a globally distributed static website using Terraform with S3 and CloudFront on AWSConfigured S3 for secure static hosting and applied IAM bucket policies to control public content deliveryEnhanced site reliability and global performance with CloudFront CDN, reducing latency and deployment errors by 70%	
Enterprise Drupal Infrastructure Automation GitHub	Ansible Apache MariaDB PHP
<ul style="list-style-type: none">Automated Drupal LAMP stack using Ansible with security-hardened configurations and encrypted credentialsImplemented idempotent playbooks reducing deployment time by 87% and eliminating manual configuration errors	
Dockerized Flask To-Do Web Application GitHub	Docker Flask Python
<ul style="list-style-type: none">Containerized a Flask-based To-Do web app using a lightweight Python 3.10-slim image for consistent deploymentsOptimized Dockerfile for faster builds and secure non-root executionDeployed and tested the containerized app locally, enabling seamless browser-based task management	
AWS Persistent Web Hosting GitHub	EC2 EBS Apache
<ul style="list-style-type: none">Deployed an Apache web server on EC2 with the web root redirected to an attached EBS volume for data persistenceSecured access with IAM and security groups, ensuring controlled SSH/HTTP connectivityEnhanced reliability and durability of hosted content, reducing downtime risk by 60%	

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, VPC, IAM, S3, CloudWatch, RDS, DynamoDB, ECS, EKS)

Containerization & Orchestration: Docker, Docker Swarm, Kubernetes, Helm

CI/CD & DevSecOps: GitHub Actions, Trivy

Infrastructure as Code (IaC): Terraform, Ansible, CloudFormation

Monitoring & Logging: Prometheus, Grafana, Loki

Programming & Scripting: Bash

Databases: Microsoft SQL Server

Version Control: Git, GitHub

Linux Administration & Web Servers: Red Hat System Administration I, II, & III, Apache, Nginx

Networking & Security: TCP/IP, OSI model, DNS, VLANs, SSH, TLS/SSL

EDUCATION

Zagazig University

Bachelor of Engineering in Electronics and Communications

May 2024

Egypt

LANGUAGES

Arabic: Native

English: Fluent