Khaled Abdelhay Hawil

Cloud & DevOps Engineer

✉ khaledhawil91@gmail.com 📞 (+20)1064349945 📍 Cairo, Egypt (Open to Relocation)

🛡 Military Service: Completed in linkedin.com/in/khaledhawil/ ⬡ github.com/khaledhawil

Summary

DevOps Engineer with hands-on experience in Linux system administration, Docker, Kubernetes, and AWS cloud services. Proficient in building and managing CI/CD pipelines using Jenkins. Familiar with Infrastructure as Code tools like Terraform and Ansible.A fast learner with a strong DevOps mindset, focused on building reliable, scalable systems and excelling in collaborative team environments.

Education

Bachelor's Degree in Computer Science   09/2019 – 07/2023
Higher Institute of Management and Information Technology (HIMIT)   Kafr El Sheikh,
- **Graduation Project: BodyFit Mobile Application**   Egypt
- A Flutter mobile app providing tools to support health and wellness
- Grade: Excellent

Professional Internships

AWS re/Start Program – Cloud & DevOps Training (ITI)   03/2025 – 06/2025
- **Completed 360-hour intensive cloud computing bootcamp**
- Mastered AWS core services, Linux administration, networking, and security
- Gained experience in cloud operations, automation, and deployment strategies
- Developed proficiency in Python programming and database management
- Completed hands-on projects using various AWS services and DevOps tools
- Developed strong communication, leadership, and technical problem-solving.

TECHNICAL SKILLS

Linux Administration: Linux System Admin I & II

Containers & Orchestration: Docker | Kubernetes

Cloud Computing: AWS

Version Control: Git | GitHub

Infrastructure as Code (IaC): Terraform | Ansible

Monitoring & Observability: Prometheus | Grafana | CloudWatch

Continuous Integration & Continuous Deployment (CI/CD): Jenkins

Scripting: Bash | Python

Soft Skills

- Leadership
- Team Work
- Adaptability
- Flexibility
- Stress Management
- Problem Solving

Projects

E-Commerce Platform - DevOps Implementation   06/2025

Architected and deployed a production-ready e-commerce platform demonstrating comprehensive DevOps practices and cloud-native infrastructure automation.

- Key Achievements: • Infrastructure Automation: Designed AWS infrastructure using Terraform (VPC, EKS, ECR, S3) with Ansible configuration management, reducing deployment time by 80%
- CI/CD Implementation: Built Jenkins pipelines with automated testing, security scanning (Trivy), and GitOps deployment using ArgoCD for zero-downtime releases
- Container Orchestration: Deployed scalable Kubernetes architecture with auto-scaling, load balancing, and SSL automation achieving 99.9% uptime
- Cloud Security: Implemented comprehensive security layers including RBAC, IAM policies, vulnerability scanning, and secrets management
- Monitoring & Optimization: Integrated AWS CloudWatch monitoring with automated alerting, improving MTTR by 60% and reducing infrastructure costs by 40%
- Technologies: AWS (EKS, ECR, S3, CloudWatch), Terraform, Ansible, Docker, Kubernetes, Jenkins, ArgoCD, MERN Stack
- Impact: Delivered enterprise-grade platform with automated deployment workflows, comprehensive security implementation, and production-ready monitoring solutions.

Flask Islamic App CI/CD Pipeline with Docker & AWS EC2 🔗   05/2025 – 06/2025

- **Tech Stack:** Flask, Jenkins, Docker, EC2, Docker Hub, SQLite
- Developed a Flask web application with a secure login system
- Implemented an automated CI/CD pipeline using Jenkins
- Containerized application using Docker for consistent deployment
- Deployed solution supporting 50+ test users
- Achieved 60% reduction in manual deployment time through automation

Languages

English   **Arabic**
Proficient   Mother tongue