

# Khaled Hawil

## Cloud & DevOps Engineer

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

### Summary

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**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

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**Bachelor's Degree in Computer Science** 09/2019 – 07/2023

Higher Institute of Management and Information Technology (HIMIT)

- Graduation Project: BodyFit Mobile Application
  - A Flutter mobile app providing tools to support health and wellness
- Grade: Excellent

### Internships

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**AWS re/Start Program – Cloud & DevOps** 03/2025 – 06/2025

Information Technology Institute (ITI)

- Completed a 360-hour intensive cloud computing bootcamp
- Gained hands-on experience with AWS services, EC2, S3, IAM, VPC, and more
- Practiced Linux system administration, networking, and cloud security
- Gained experience in cloud, automation, and deployment strategies
- Collaborated on team projects with full DevOps pipelines and GitOps workflows
- Developed strong communication, leadership, and technical problem-solving.

### TECHNICAL SKILLS

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**Linux Administration:** Linux System Admin I & II

**Version Control:** Git | GitHub

**Cloud Computing:** AWS

**Containers & Orchestration:** Docker | Kubernetes

**Scripting:** Bash | Python

**Infrastructure as Code (IaC):** Terraform | Ansible

**Monitoring & Observability:** Prometheus | Grafana

**Continuous Integration & Continuous Deployment (CI/CD):** Jenkins | GitHub Actions | Argocd

### Soft Skills

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|---------------|-----------------|-------------------|
| • Leadership  | • Communication | • Team Work       |
| • Flexibility | • Adaptability  | • Problem Solving |

## Projects

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**WeatherApp – Full DevOps Workflow: CI with GitHub Actions, CD with ArgoCD** [!\[\]\(529949c2c3dadbaa4e538e8c643454bc\_img.jpg\)](#) 06/2025 – 06/2025

Deployed a microservices weather application on a managed Kubernetes cluster (DigitalOcean), implemented a CI pipeline using GitHub Actions to build Docker images, push them to DockerHub, and automatically update Kubernetes manifests with the new image tags, used ArgoCD for Continuous Deployment, enabling automated GitOps-based delivery to the cluster, the stack includes services written in Go, Python, and Node.js.

**E-Commerce Platform – Full DevOps Automation** [!\[\]\(99f58673407353e96a019fbca558fd72\_img.jpg\)](#) 06/2025  
**ITI-Final-Project**

Deployed a full-stack e-commerce platform using the MERN stack with a complete DevOps pipeline. Provisioned AWS infrastructure (VPC, EKS, ECR, S3) using Terraform, configured EC2 nodes via Ansible, and containerized services with Docker. Implemented CI/CD using Jenkins, GitHub, and Trivy for security scanning, and achieved GitOps-driven CD using ArgoCD. Integrated CloudWatch for observability, enforced security with IAM, RBAC, cert-manager, and enabled high availability with Kubernetes HPA and NGINX Ingress.

**Islamic App Deployment with Full DevOps Automation** [!\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1\_img.jpg\)](#) 05/2025 – 06/2025  
**Personal Project**

Developed and deployed a production-ready Islamic web application offering prayer times, Quran reader, Hadith collections, and digital Tasbeeh. Built with React, Flask, and PostgreSQL, and deployed on a Kubernetes cluster with full DevOps automation. Implemented CI/CD pipelines using Jenkins, GitHub, and ArgoCD for GitOps deployment. Used Docker for containerization, Trivy for image scanning, and integrated security and observability tools to ensure scalable, secure delivery.

## Courses

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**KodeKloud – Cloud and DevOps Hands-on Learning Platform** [!\[\]\(3211b5d1d968fc1665909b34f9f16010\_img.jpg\)](#) 03/2025 – 06/2025

- Ansible for the Absolute Beginner – Hands-on Labs
- Terraform for Beginners – Infrastructure as Code
- Jenkins for Beginners
- Kubernetes labs (CKA)
- ArgoCD

**DolfinED – Cloud & DevOps Hands-on Learning Platform** [!\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d\_img.jpg\)](#) 12/2024 – 03/2025

- IT, Cloud, TCP/IP, and DevOps Fundamentals
- AWS Cloud Practitioner & Solutions Architect Associate
- Bash Scripting Mastery
- Docker Mastery
- Kubernetes Mastery
- Prometheus and Grafana Mastery

## Languages

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**English**  
Proficient

**Arabic**  
Mother tongue