

Abdelrahman Hamouda

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Nationality: Egyptian | Military Status: Final Exemption

Summary

DevOps Engineer with practical experience building cloud-native systems, automating deployments, and managing modern infrastructure across cloud platforms and Linux environments. Skilled in CI/CD pipelines, containerization, and Infrastructure as Code. Strong ability to improve delivery processes, enhance system reliability, and apply DevSecOps and monitoring best practices across real-world projects and training environments.

Key Skills

- Cloud & DevOps with AWS, Azure, Docker, Kubernetes, Terraform, Ansible and Jenkins
- Operating Systems on Linux (RHEL, Ubuntu) and Windows Server
- Monitoring & Tools using Prometheus, Grafana, Git and Maven
- Programming in Python, Bash and Java

Professional Experience

Cloud Engineer

LEVANTAR, New Cairo | November 2025 – Present

- Managed Microsoft 365, Azure services, and hybrid infrastructure to ensure reliable operations for distributed teams.
- Enhanced identity and access security by implementing Entra ID policies aligned with compliance standards.
- Improved team collaboration by refining SharePoint, Teams, and Exchange Online configurations.
- Supported exploration of AI-driven monitoring concepts to enhance system performance and reliability.

Cloud DevOps Intern

National Telecommunication Institute (NTI), Egypt | September 2025 – Present

- Applied cloud engineering practices across AWS, Docker, Kubernetes, Terraform, Jenkins, Ansible, and DevSecOps tooling.
- Built and tested CI/CD pipelines and automated infrastructure modules in hands-on lab environments.
- Contributed to containerization and secure deployment workflows as part of real-world training projects.

DevOps Engineer Intern

Digital Egypt Pioneers Initiative (DEPI), Egypt | August 2024 – April 2025

- Developed CI/CD pipelines using Jenkins, Docker, and Kubernetes, improving delivery speed and consistency.
- Automated cloud infrastructure provisioning with Terraform and Ansible for repeatable deployments.
- Deployed monitoring stacks with Prometheus and Grafana to enhance visibility and issue detection.

Projects

HiveBox – End-to-End DevOps Implementation Project | August – October 2025

- Designed and deployed a Kubernetes microservices environment using Nginx Ingress and Valkey.
- Implemented CI/CD automation with GitHub Actions, ArgoCD, and Terraform Cloud.
- Added observability and security controls with Grafana, Cert-Manager, and Let's Encrypt.

Ultimate CI/CD DevOps Implementation Blueprint | February – March 2025

- Built a full CI/CD workflow for a Spring Boot application using Terraform, Jenkins, ArgoCD, and Kubernetes.
- Applied GitOps principles to deliver automated, version-controlled deployments.
- Incorporated DevSecOps checks into the pipeline for secure build and release processes.

Kubernetes-Based Web Deployment | January – February 2025

- Deployed a containerized web application using Kubernetes and Nginx Ingress.
- Automated build and deployment steps using Bash scripting and YAML definitions.

Kubernetes Cluster Deployment | December 2024 – January 2025

- Built a three-node Kubernetes cluster using Vagrant, VirtualBox, and Kubeadm.
- Implemented monitoring and tested microservice deployments using Prometheus and Grafana.

Education

BA. in Communication and Electrical Engineering

Higher Institute of Engineering and Technology, Egypt | June 2025

Certifications

- Certified Solutions Architect Associate (AWS, October 2025)
- Certified Cloud Practitioner (AWS, May 2025)
- Certified Foundation Associate (Oracle, February 2025)