Mohamed Moustafa

DevOps Engineer

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SUMMARY

DevOps Engineer with hands-on experience in CI/CD, cloud infrastructure (AWS), containerization (Docker, Kubernetes), and IaC (Terraform, Ansible). Contributed to real-world projects during internships at Konecta and Orange Digital Center, working with tools like Jenkins, GitHub Actions, Argo CD, and Grafana. Certified in AWS Solutions Architect Associate, AWS Cloud Practitioner, and Azure Fundamentals, with strong teamwork and adaptability skills

EDUCATION

Bachelor of Communication and Electronics Engineering   **Sep 2021 –2026**
Suez Canal University, Egypt

EXPERIENCE

DevOps Intern | Konecta, Cairo, Egypt   **Jul 2025 – Present**

- Completed a **2-month DevOps training program** with hands-on tasks using Git, Jenkins, Docker, Kubernetes, Ansible, and Terraform.
- Contributed to **real company projects**, handling complex tasks that integrated multiple DevOps tools and practices.
- Worked within **cross-functional teams**, learning effective time management, task prioritization, and collaboration in a professional environment.
- Adapted to the company's workflow and learned how to **integrate smoothly into a team-oriented culture**
- Delivered a **final project with presentation** as part of a competitive program between interns
- Gained valuable insights from **senior mentorship**, increasing exposure to new tools and real-world DevOps practices.

DevOps Intern | Orange Digital Center Egypt, Cairo   **Nov 2024 – Dec 2024**

- Developed and deployed projects using tools such as Docker, Kubernetes, Jenkins, Grafana, GitHub Actions, Argo CD, Ansible, VMware, Vagrant, and VirtualBox
- Gained practical experience with AWS by managing cloud infrastructure and provisioning resources..

DevOps Trainee at DEPI   **June 2024 - Dec 2024**

- Automated deployment processes using Jenkins and GitHub Actions, reducing deployment time .
- Managed AWS cloud infrastructure, provisioning EC2 instances and S3 buckets for scalable test environments.
- Enhanced CI/CD pipelines by collaborating with development teams, improving code delivery efficiency.

Linux System Administration Trainee at NTI

- Mastered Linux system administration (RH124), configuring users, permissions, and file systems for secure environments.
- Applied advanced Linux administration (RH134), automating system tasks and managing services with systemd.

CERTIFICATES

AWS Certified Solutions Architect – Associate (SAA-C03) 🔗

AWS Certified Cloud Practitioner (CLF-C02) 🔗

Microsoft Certified: Azure Fundamentals 🔗

SKILLS

Linux Administration
admin1 & admin2

Containerization & Orchestration
Docker & Kubernetes

Cloud Provider
AWS

CI/CD
Jenkins

Monitoring System
Prometheus & Grafana

Configuration Management & IAC
Ansible & Terraform

Version Control System
Git & GitHub

Scripting Language
Bash Script

PROJECTS

XYZ Pipeline – GitOps / CI-CD Project 🔗

- **Built a GitOps-driven CI/CD pipeline using Jenkins, Terraform, Ansible, Docker, and Kubernetes.**
- **Integrated security scans (SAST, DAST, container), rollback strategies, and monitoring to ensure secure and reliable delivery.**
- **Delivered a scalable, secure, and fully automated GitOps workflow.**
- **Automated 3 environments (Dev → Staging → Prod) with branch-based deployments:**
    - *Feature branches* → **EC2 (Dev)**
    - *Pull Requests* → **Kubernetes (Staging)**
    - *Main branch* → **Serverless (Prod-like)**

Raffle App – Serverless Lottery Application (Terraform / AWS) 🔗

- Built a raffle application using **AWS Lambda (Node.js), API Gateway, DynamoDB, S3, CloudFront, Route 53, ACM.**
- Automated infrastructure deployment with **Terraform**.
- Implemented secure APIs and followed best practices (IAM least privilege, input validation).
- Delivered a fully **serverless, scalable, and globally distributed application.**

Scalable Web Application with ALB & Auto Scaling (Terraform / AWS) 🔗

- Built a secure, highly available web application on AWS using **Terraform**, deployed across multiple Availability Zones.
- Configured **public ALB** for the frontend and **internal ALB** for the backend, each with Auto Scaling Groups (1–3 instances) triggered by CPU utilization.
- Deployed **RDS MySQL (Multi-AZ)** with automated backups and storage auto-scaling, implemented layered **security groups**, and set up **CloudWatch monitoring & alerts** for proactive issue detection.