

# Abdelaziz Omar

## DevOps/SRE Engineer

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🌐 [Github](#) 🌐 [Linkedin](#)

Motivated DevOps Engineer dedicated to enhancing infrastructure reliability, scalability, and security. Proficient in automation, scripting, and cloud computing. Eager to learn and apply emerging tools for streamlined software development and deployment. Experienced in collaborating with cross-functional teams.

## Experience

- **Backend Engineer (PHP/Laravel), Arabic Localizer** 08/2021- 10/2022
  - Maintaining and Fixing the website issues
  - Major re-write of sections of the code and Increasing the performance of MySQL query

## Education

- **Diploma, Information technology institute (ITI).** 11/2022 - 03/2023
  - IT skills Including a working knowledge of Linux OS, writing scripts in Python and Shell, Database Networking & Security .
  - Applying core AWS services in compute, storage and networking, including EC2, S3, IAM, VPC, Lambda, Cloud Formation, RDS, Route 53, ECS and EKS
  - Automation tools Jenkins , Terraform , Kubernetes, Docker, Ansible, Helm, Prometheus.
  - Creating Automated and Repeatable Deployments.
- **B.S.C DEGREE, Faculty of Agriculture Alexandria University** 07/2017 - 07/2021
  - Department: Agricultural Economy
  - Grade: Good
  - Graduation Project Grade: Excellent

## Internships And Courses

- **NATIONAL TELECOMMUNICATION INSTITUTE (NTI)** 04/2022 - 05/2022
  - [Backend Developer Internship \(PHP/Laravel / MySQL\)](#)
- **Route Academy** 02/2022 - 05/2022
  - Software IT Fundamentals
- **YOUTH ENABLEMENT FOR FREELANCING INITIATIVE** 09/2020 - 11/2020
  - [Full-Stack Web Development at Ministry of communication and information technology.](#)

# Technical Skills

## Operating Systems

- Linux
- Windows

## Containerization and Orchestration

- Docker
- Kubernetes
- Helm

## CI/CD Tools

- Jenkins

## Programming and Scripting Languages

- Python
- Javascript
- PHP
- Bash Script
- C#

## Version Control

- Git
- Github

## Configuration Management

- Ansible

## Monitoring & Alerting:

- Prometheus

## Database Management

- SQL
- MySQL

## Cloud Providers

- AWS

## Infrastructure Tools

- Terraform

## Repository Management:

- Nexus

## Web Servers

- Nginx

# Certificates

## Linux Foundation, CKA

- [Certified Kubernetes Administrator](#)

08/2023 - 08/2026

## Amazon Web Services Training and Certification, CLF

- [AWS Certified Cloud Practitioner](#)

03/2023 - 03/2023

# Projects

**Cloud Gateway Orchestrator:** Built VPC, 4 subnets (2 public, 2 private), with public load balancer on public subnets and private load balancer on private subnets. Nginx on EC2s as a proxy rerouting traffic to private load balancer on two private EC2s | **Project Link:** [Link](#)

**Online boutique Microservice Application:** This DevOps project aims to automate the provisioning, deployment, and management of applications on an Amazon EKS cluster using Terraform for infrastructure provisioning, **Ansible** for configuration management, **Docker** for containerization, **eksctl** for EKS cluster creation, **kubectl** for Kubernetes cluster management, **Helm** for package management, and **Jenkins** for continuous integration and continuous deployment (CI/CD). | **Project Link:** [Link](#)

**Full CI/CD Application (One):** This DevOps project aims to automate the provisioning, deployment, and management of applications on an Amazon **EKS** cluster using **Terraform** for infrastructure provisioning, **Ansible** for configuration management, **Docker** for containerization, **eksctl** for EKS cluster creation, **kubectl** for Kubernetes cluster management, **Helm** for package management, and **Jenkins** for continuous integration and continuous deployment (CI/CD). | **Project Link:** [Link](#)

**Full CI/CD Application (Two):** This DevOps project aims to automate the provisioning, deployment, and management of node js applications on an Amazon **EKS** cluster using **Terraform** for infrastructure provisioning, **Ansible** for configuration management and **Dynamic Inventory**, **Docker** for containerization, terraform for **EKS** cluster creation, **kubectl** for Kubernetes cluster management, **Helm** for package management, **prometheus** for monitoring cluster, **grafana** for visualization, and **Jenkins** for continuous integration and continuous deployment (CI/CD). | **Project Link:** [Link](#)

# Languages

## Arabic

- Native

## English

- B1