Abdelaziz Omar Abdelaziz Omar

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Objective

- As a highly motivated DevOps Engineer, my goal is to contribute to the development and implementation of reliable, scalable, and secure infrastructure by utilizing my knowledge of automation, scripting, and cloud computing technologies. I am eager to learn and apply emerging tools and best practices to streamline software development and deployment processes, while collaborating effectively with cross-functional teams

Internships and Diplomas

INFORMATION TECHNOLOGY INSTITUTE (ITI), MCIT | INTERNSHIP | NOV 2022 – MAR 2023

- **Intensive training (4-Month) program DevOps Track.**

NATIONAL TELECOMMUNICATION INSTITUTE (NTI), MCIT| INTERNSHIP | APR 2022 – MAY 2022

- **Backend Developer Internship (PHP / Laravel / MySQL).**

ROUTE ACADEMY TRAINING | DIPLOMA | FEB 2022 – MAY 2022

- Software IT Fundamentals.

YOUTH ENABLEMENT FOR FREELANCING INITIATIVE, MCIT | INTERNSHIP | SEP 2020 – NOV 2020

- **Full-stack Web Development at Ministry of communication and information technology**

Certificates

LINUX FOUNDATION | CKA | AUGUST 2023

- **Certified Kubernetes Administrator** .

AWS | CLF-C01 | MARCH 2023

- **AWS Certified Cloud Practitioner**.

Working Experience

BACKEND DEVELOPER | ARABIC LOCALIZER | FULL-TIME | AUG 2022 – NOV 2022

- Working on AIOBO ERP-SYSTEM
  - Maintaining the website issues
  - Fixing the website stability issues
  - Major re-write of sections of the code
  - Increasing a performance of MySQL query

Education

JULY 2017 – JULY 2021

- Bachelor degree in The agricultural economy, (Faculty Of Agriculture Alexandria University), Egypt
- Grade: Overall Good

Technical Skills

Operating Systems:
- Linux
- Windows

Cloud Computing:
- AWS

CI/CD:
- Jenkins

Web Servers:
- Nginx

Database Management:
- SQL
- MySQL

Scripting & Automation:
- Bash
- Python

Containerization & Orchestration:
- Docker
- Kubernetes

Monitoring & Alerting:
- Prometheus

API & Testing:
- RESTful APIs
- Postman testing

VCS & Collaboration:
- Linux
- Github

IaC & Configuration Management:
- Terraform
- Ansible

Repository Management:
- Nexus

Configuration & Data Exchange:
- JSON
- YAML

Projects:

PROJECT ONE | CLOUD GATEWAY ORCHESTRATOR

- **Description** 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
- **Stack:** AWS , ELB , NGINX(Reverse Proxy) , VPC , EC2
- **Project Repository:** link

PROJECT TWO | ONLINE BOTIQUE MICROSERVICE APPLICATION

- **Description**: Online Boutique is a cloud-first microservices demo application. Online Boutique consists of an 11-tier microservices application. The application is a web-based e-commerce app where users can browse items, add them to the cart, and purchase them.
- **Stack:** K8S , Helm , Helm-File , Bash , Prometheus , Grafana
- **Project Repository**: link

PROJECT THREE | FULL CI/CD APPLICATION

- **Description:** 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).
- **Stack:** Terraform , Docker , K8S , Helm , Jenkins , GIT , Ansible, eksctl
- **Project Repository:** link

PROJECT FOUR | FULL CI/CD APPLICATION

- **Description:** 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).

- **Stack:** Terraform , Docker , K8S , Helm , Jenkins , GIT , Ansible , Prometheus , Grafana

- **Project Repository:** link

Personal Skills

- Problem Solving
- Communication
- Commitment
- Time-Management

- Excellent Collaboration and Communication
- Eagerness to learn and keep up with emerging technologies, tools, and best practices in the field

Volunteering Experience

SUMMER 2020

- HR Staff Member at AVAD Club
- HR Staff at Ecout Program

SUMMER 2019

- HR Staff Member at Spara-Consumption at Bibliotheca Alexandria
- Participant at Upgrade Project at Faculty of Science – Alexandria University

Languages

- Arabic: **Native**
- English: **B1**

Personal Information

- Martial Status: **Single**
- Nationality: **Egyption**

- Birthday: **03/05/1998**
- Military Service: **Exmpted**