Ahmed Mahfouz

DevOps Cloud Engineer
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OBJECTIVE

Seeking a challenging role in a forward-thinking company to apply unique experience in designing and managing high-availability cloud systems across multiple platforms.

EXPERIENCE

DevOps Engineer   Aug 2024 - Present
Misr Technology Services (MTS)
- Develop and maintain automation scripts and pipelines.
- Oversee the provisioning, scaling, and monitoring of Services and Apps.
- Integrate security measures into the DevOps pipeline.
- Work closely with software developers to optimize the SDLC.

Wireless Tripleplay Network Engineer   Aug 2022 - Aug 2023
Orange Egypt
- Designing and implementing projects.
- Configuring and installing various devices.
- Big Knowledge in Data Center.
- Dealing with Cisco Routers, S witches, GPON,Juniper MX, IPTV HE Devices and also Fiber Cables.

Maintenance Engineer   Jan 2021 - Aug 2022
Aman E-Payment
- Backend Engineer, Review technical documentation (tickets) and handling cases.
- Responsible for shoubra branch, Handling customers with exact deadline, Repair kits.
- Level 3 Engineer, Dismantles or repairs Defective machines.
- Collaborating in teams for sustained excellence.

EDUCATION

9 Month Scholarship - Cloud Architecture & DevOps   Oct 2023 - May 2024 (Expected)
ITI (Information Technology Institute), Cairo
- Communication Skills
- Business English Course
- Alot of Technical Courses on Cloud Enviroment (vShpere,ISM,NSX,AWS,Linux,BashScript,etc)
- Also a lot of courses for DevOps tools (Docker,K8s,Jenkins,GIT,Terraform,Prometheus)
- Teamwork

Bachelor of Electronics and Communication Engineering   Jan 2015 - Aug 2020
Modern Academy for Engineering and Technology, Cairo
- Graduation Project is Smart Project (A+)
- Based on Embedded System.
- Graduation Project consists of 2 parts.
- Stadium and a Wireless Smart Car which is responsible for alot of jobs.

TECHNICAL SKILLS

Operating Systems

- Linux Adminstration
- Windows Administration

Scripting Language

- Bash Script
- Python Knowledge

DevOps Tools

- Docker
- Ansible
- K8s Knowledge
- Terraform
- Github Actions
- Jenkins

Infrastructure

- AWS Cloud Foundation
- Microsoft Azure
- vSphere, NSX Products
- Openstack Knowledge
- Storage ISM

Network

- CCNA

Database

- MySQL

Monitoring Tools

- Prometheus
- Grafan

SOFT SKILLS

- Communication Skills.
- Passion for learning and Self-studing new Technologies.
- Team Work, Task reporting skill.

Certificates

- Red hat Certified System Administrator (RHCSA).
  Credly Reference

PROJECTS

- Complete CI/CD Web Application Deployment on K8s Cluster -- GitHub

  - Terraform for Provisioning Infrastructure
  - Ansible for Automation of Creation Kubernetes Cluster and Joining Nodes
  - Github Actions for Pipeline (Build, Test(Code Coverage,Unit test), Deploy)
  - Maven for Build & Docker for Image Build

- AWS Infrastructure Provisioning and Application Deployment using CI/CD Github actions, Terraform, Java Spring Boot, and Docker -- Github Link
  - Developed a CRUD application using Java Spring Boot.
  - Implemented secure access patterns to the database using a Bastion Host.
  - Dockerized the application to streamline deployment
  - Complete CI/CD Pipeline through Github Actions.

- Automating the Creation and Deployment of a Kubernetes cluster on AWS EC2 instances, using Ansible, Terraform, Kubernetes, AWS -- Project Github Link

- Kubernetes Integration with Prometheus and Grafana, Monitors Kubernetes Cluster by Prometheus and Grafana Using HELM -- Project Github Link

- Led the creation of an OpenStack project, further developing my skills in cloud computing and infrastructure management