Shehab Mostafa Fahmy

DevOps Engineer | Computer Science Fresh Graduate

+201140139198 | shehabmostafa2323@gmail.com www.linkedin.com/in/ShehabMostafa | www.github.com/ShehabFahmy | www.shehabfahmy.site

Summary

Aspiring DevOps Engineer and Computer Science Graduate with practical experience from intensive training and internships. Recognized for attention to detail, strong commitment to excellence, and effective collaboration. Passionate about enhancing productivity and eager to apply my skills to contribute to the company's success and growth in a dynamic environment.

Education

Bachelor of Computer Science | Ain Shams University

• Cumulative GPA: **3.52**/4.00 (**B+**)

• Graduation Project Evaluation: A-

Experience

DevOps Intern | Fawry

• Developing skills in GitOps, CI/CD pipelines, Docker and Kubernetes orchestration, and system observability through mentorship DevSecOps Trainee | National Telecommunication Institute (NTI) Feb 2025 – May 2025

• Integrated security practices into CI/CD workflows using Jenkins and Ansible through expert mentorship and practical training
DevOps Intern | Orange Digital Center (ODC) and Digital Hub Jan 2025 – Feb 2025

• Performed system and container monitoring tasks, then delivered a final CI/CD project using Docker, Jenkins, and Ansible
DevOps Trainee | Digital Equpt Pioneers Initiative (DEPI)
June 2024 – Oct 2024

• Collaborated in a 5-member team to learn DevOps culture while practicing with various tools through guided labs and projects

Skills

Programming and Scripting: C, C#, C++, Java, Python, Bash

Operating Systems and Databases: Linux, SQL

Tools and Technologies: Git, Vagrant, Docker, Kubernetes, AWS, Terraform, Jenkins, Ansible, Prometheus, Grafana (basic)

Projects

TA'AM | Faculty Graduation Project

• Implemented machine learning models to enhance a mobile app for buying and selling used clothes through the camera CI/CD Pipeline for a Containerized Python Web Application | Final Project – DevOps Intern at Orange Digital Center

- Created virtual machines with Vagrant and VirtualBox, configuring SSH access and an Ansible user for remote provisioning
- Built a Jenkins pipeline to create a Docker image, push it to a registry, and deploy the application using Ansible playbooks
- Configured GitHub Webhook and used Ngrok for local tunneling, triggering Jenkins builds from a remote repository

• Secured deployment secrets with Jenkins credentials and **Ansible Vault**, while enabling **email notifications** for build status **LAMP Stack Deployment for Local and Cloud Environments with DNS Configuration** | *Infrastructure Automation Practice*

• Deployed manually using Vagrant, then automated the cloud setup using Terraform, Hostinger, and AWS Route 53 for DNS

• Automated deployment using Ansible and Vagrant, leveraging Ansible roles and Vault for secure credential management

Automated Jenkins Pipeline for Deploying Nexus Repository on AWS | Pre-final Project – DevOps Trainee at DEPI

• Provisioned an AWS EC2 instance as a dynamic agent and a dynamic private key credential using Jenkins CLI and API

• Orchestrated a pipeline to automate Sonatype Nexus installation on the EC2 instance, seamlessly switching between agents Automated Multi-Layered AWS Infrastructure with Terraform | Terraform Practice Project – DevOps Trainee at DEPI

• Deployed AWS infrastructure with Terraform, using S3 and DynamoDB for secure state management and resource locking

- Created a custom NGINX AMI from a temporary EC2 instance, setting up packages for backend servers in private subnets
- Configured external and internal load balancers, with EC2 proxies forwarding traffic securely between them
- Automated cleanup with shell scripts, ensuring resource termination after 10 minutes unless manually stopped

Awards

3rd Place out of 100+ Teams in the Neural Networks Competition

- Achieved **86% accuracy** with an Arabic Sentiment Analysis model using an LSTM Neural Network <u>15th Place out of 200+ in the Algorithms Warm-up Competition</u>
- Accelerated processing by up to 50% using multi-threading to calculate cosine similarity between two documents

Ain Shams University | 2023

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Cairo, EG | Oct 2020 - July 2024

May 2025 – Present