Ahmed Abdelsalam

✉ ahmed.abdelsalam.sa@gmail.com | ⬡ github.com/Ahmed-Hodhod | 📱 +20 (10) 3276-3263
in ahmed-abdelsalam-hodhod 📑 Portfolio

Education

Cairo University   Sep.2019 - Jun. 2024
B.S. in Computer and Communication Engineering (CCE) | Link to all courses
Relevant Courses: Operating Systems (C), Computer Architecture, Maths, Databases (MySQL), OOP (C++)
, Algorithms and Data Structures I and II (C++), Image Processing (Python), NLP (Python)

San Jose State University   Jan. 2023 - Jun. 2023
Exchange Semester in the United States
Relevant Courses: Artificial Intelligence (Python), Software Engineering (Nodejs & Mongodb)

Professional Experience

ABI Technology   Apr. 2024 - Present
DevOps Engineer   *AWS, Kubernetes, GitHub Actions, Linux, Terraform, Ansible, Helm, Argocd, Kustomize*

4Sale International Co.   Jun. 2023 - Sep. 2023
DevOps Engineering Intern   *AWS, Docker, Kubernetes, CircleCI, Linux, Troubleshooting, Bash, Terraform*

- Implemented resource optimization measures, leading to a noteworthy 25% reduction in the monthly bill.
- Utilized Terraform to orchestrate the creation of infrastructure and establish an Amazon EKS (Elastic Kubernetes Service) cluster, automating the seamless setup and configuration of the development account on AWS.
- Collaborated with the team to troubleshoot issues and enhance Continuous Integration/Continuous Deployment (CI/CD) pipelines for improved efficiency.

Projects

Spartans Digital Bank   Feb. 2023 - Jun. 2023
Spartans Digital Banking System for SJSU Students   *Nodejs, Sequelize, MySQL, Postman, Docker, AWS, Git*

- Led the back-end team to develop robust API endpoints for user authentication, account management, and transaction logging using Nodejs.
- Documented endpoints for seamless integration with frontend and Android teams, while implementing containerization for reliable, platform-independent deployment. Designed the MySQL database schema and ensured standardized interactions using Sequelize.

CI/CD Pipeline   Sep. 2022
Auto-deployment CI/CD Pipeline   *CircleCI, Docker, AWS, Ansible, Cloudformation, Prometheus*

- Implemented a streamlined 10-stage CI/CD pipeline using CircleCI for seamless AWS deployments, and incorporated Prometheus for effective resource monitoring.
- Integrated essential DevOps tools (Git, Docker, Kubernetes) and AWS services to establish a smooth and continuous delivery workflow, enhancing deployment efficiency and reliability.

Leadership and Volunteering

Google Developer Students Club   Sep. 2021 - Mar. 2022
Relations Vice President

- Organized the Research Day for Engineering students. Collected information and contacted guests for the events held on-campus such as the annual Job Fair.

Technical Skills

Languages:
Python, C++, SQL, Bash, JavaScript, PHP, C#, HTML

Technologies & Tools:
Kubernetes (K8S), Git, Linux, Docker, CI/CD (CircleCI), Ansible, Terraform, AWS, Nodejs, Express, MongoDB

Nanodegrees:
Udacity Cloud DevOps Engineer.