Ahmed Mansour

New Cairo, Egypt | +20 1012070920 | ahmedsmansour@proton.me | mansourweb.github.io

Summary

DevOps Engineer skilled in Python development, cloud computing (AWS), and Linux administration. Open to global opportunities and relocation, with a diverse perspective from living in Egypt, Azerbaijan, the Philippines, and Cameroon.

Skills

Languages: proficient in Python, Bash, HTML, CSS; familiar with C++, SQL
Technologies: AWS architecture & core services, Red Hat Linux administration, Networking protocols & security
Tools: Git, Terraform, Django, Pytest, Beautiful Soup, Selenium, Bootstrap
Certifications: currently pursuing SAA-C03 and RHCSA

Experience

Systems Administrator, Egyptian Police Academy – Conscription   Oct 2021 – Dec 2022
- Developed local Python scripts via WSL to automate watermarking, file encryption, and employee query retrieval
- Maintained system uptime by managing DNS records and administering user/group permissions for files and directories
- Improved department efficiency by providing software training, resulting in higher post-assessment scores amongst staff

Automation Engineer Intern, Opatrip Lithuania – Remote   Jan 2021 – Aug 2021
- Automated product data entry for 200+ tours via the Google Sheets API, effectively halving the manual workload
- Integrated a multicurrency Bokun system on the backend using JSON and RESTful APIs, leading to a notable increase in customer conversion rates

Systems Analyst Intern, TBS, Birds Cage Food Products, Givaudan – Academic   Feb 2019 – Dec 2020
- Designed prototypes and relational databases for transaction and decision-support systems to tackle workflow bottlenecks
- Provided feasible project implementation and planning by leveraging cost-benefit analysis, ERD/DFD analysis, risk assessments, Gantt scheduling, and SRS documentation

Projects

Global VPN Acceleration
CloudFormation, EC2, TGW, VPC, Global Network, IPsec tunnels, FRR, BGP
- Built an AWS site-to-site VPN that allows remote users access to a simulated corporate network via IPsec tunnels
- Implemented BGP capabilities using FRR on the on-premises routers, enabling fast route exchange with AWS
- Increased network speeds by using globally accelerated VPN endpoints attached to a transit gateway

Elastic Press
VPC, EC2, SSM Parameters, IAM, Launch Templates, RDS, EFS, ELB, ASG
- Transformed a single instance WordPress server to an automatically provisioned deployment via launch templates
- Stored local media onto an EFS shared file system and migrated a MySQL database to a dedicated RDS for data longevity
- Abstracted user sessions away from individual instances by implementing ASG and ELB, scaling based on CPU load

MindScribe
Python, Django, Bootstrap, Git, YAML
- Built a full-stack app to track learning progress, implementing Django authentication and content filtering based on users
- Achieved cross-device compatibility with Bootstrap and deployed the app on Platform.sh with custom error pages

Education

The American University in Cairo – B.B.A. in Information Systems   June 2021
- Relevant Coursework: OOP, Data Structures and Algorithms, Languages and Compilers, Database Design, Software Engineering, Information Systems & Security, Business Analysis, Project Management