Ahmed Mansour

New Cairo, Egypt • +20 1012070920 • mr.a.mansour@gmail.com • hellomansour.github.io

Education

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

Skills

Languages	**Technologies**	**Other**
proficient in Python, Bash, HTML, CSS; familiar with C++, SQL	AWS architecture & services, Red Hat Linux administration, Networking protocols & security, Terraform, Git	Django, Pytest, Beautiful Soup, Selenium, Bootstrap

Experience

IT Support Specialist Oct 2021 – Dec 2022
Egyptian Police Academy
- Trained a police subdivision on hardware and software best practices, improving workflow efficiency
- Maintained system uptime and security by resolving network issues, system crashes, and malware incidents
- Automated the headcount process using Excel macros, saving time and reducing human errors
- Identified and fixed legacy hardware issues affecting peripheral devices

Web Administrator Intern Jan 2021 – Jul 2021
Opatrip Lithuania
- Improved customer conversion by integrating a booking system on the frontend, enabling multi-currency transactions
- Automated product revisions for 200+ tours using the Google Sheets API, ensuring prompt and accurate product details
- Coordinated and delegated technical tasks to interns, facilitating efficient and timely completion of deliverables

IT Business Analyst Intern Feb 2019 – Dec 2020
TBS, Birds Cage Food Products, Givaudan
- Completed various academic projects that offered solutions to workflow challenges faced by local businesses
- Analyzed user requirements and conducted feasibility studies to design and implement scalable relational databases
- Developed high-fidelity prototypes with comprehensive SRS documentation and data dictionaries

Projects

Elastic WordPress Web App
VPC, SSM Parameters, EC2, Launch Templates, RDS, EFS, ELB, ASG
- Set-up an AWS environment for a WordPress web app, automating the deployment process using launch templates
- Migrated to an RDS instance running the MySQL Engine, ensuring database security past instance lifetime
- Created an EFS to store any local media onto a shared file system, allowing for access across any instances
- Configured an ASG and ELB to provision and terminate instances automatically based on system load

Site-to-Site VPN
VPC, EC2, TGW, BGP
- Created an AWS environment with 2 subnets and 2 EC2 instances, with the default route pointing to a Transit Gateway
- Simulated an on-premises environment with 1 public subnet and 2 private subnets containing 2 routers running Ubuntu
- Configured two VPN attachments for the Transit Gateway, establishing 2 VPN connections with 2 IPSec tunnels each
- Implemented BGP capabilities using FRR on the on-premises routers, enabling fast route exchange with AWS

Learning Log
Python, Django, Bootstrap, Git, YAML
- Developed a full-stack application enabling users to track their learning progress on different topics
- Implemented robust user authentication and registration protocols to ensure app security
- Utilized responsive design frameworks to adapt to different devices for enhanced user experience
- Streamlined the deployment process by using configuration files to push the app onto a server