

Hazem Hussien

DevOps/MLOps Engineer and Researcher.

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Currently

Cyber Security Consultant

Experience

Jul 2022 - December 2024 **Motoon**, DevOps Engineer, Technical Researcher
2022 **Freelance**, DevOps/MLOps Engineer
2021 - Jul 2022 **Elkayan for Real Estate**, IT Specialist
2016 **Mushtarak's Web School**, Internship

Technical Experience

Programming Languages **Python**: I am very passionate about writing, reviewing and learning python. Works with it extensively for scripting, tool writing, modelling, data and machine learning frameworks; mainly TensorFlow.
Shell Scripting (Bash and Other Shells): Daily tool writing and automation on Linux systems.
C / C++: Worked with C family in Embedded systems, UNIX code review and minor game development projects.
Go: Currently Learning, already implemented personal website and side projects with Golang.
GNU Octave / MATLAB: Works with both regularly, mainly in systems modelling and visualization.
Hands-on knowledge of: **HTML, CSS**, & Basic knowledge of: **Rust, x86 assembly, Lisp**

Tools and Frameworks **Frameworks and Libraries**: TensorFlow, Pandas, Django, BeautifulSoup, Platypush and others
APIs: REST
Cloud and IaC: AWS, Docker & Kubernetes, Ansible
Webservers: Apache & Nginx
Databases: MySQL, PostgreSQL

Projects **Motoon Digital Security Project**: Worked as the lead researcher for the digital security program which included research, implementation and auditing for different digital security assets and concerned entities.
Auto-Tagger: Software to autotag text and links according to unique words, As tagging is vital in modern-day internet, implemented through tensorflow hub modules.
Web Development: Implemented many websites using Golang, python and deployed on several platforms as DigitalOcean.
Side Projects: Implemented several personal projects, including hosting several services such as mail and chat servers on a homelab

Teachings

DevOps and Cloud Computing @**Motoon Temple of Tech School** , 2023

Introduction to Python Programming @**IOI**, 2024

Certifications

GRE General Certificate, *Currently Preparing*

IELTS (Score: 7.5) 2024

Education

: **BSc, Electrical Engineering**; Ain Shams University (Egypt)

Skills

- Technical Skills:
 - **Modelling and Design of Complex Systems**
 - **Problem Solving Skills** through different Mathematical, Computational and Engineering Techniques
 - **Deep understanding** of Programming Concepts and Software Engineering
 - Familiar with **UNIX* Systems Design** and **POSIX protocols**
 - **Quick Learning and Implementing** abilities
- Human Languages:
 - Arabic (Native)
 - English (Full Professional Proficiency)
 - German (C1)