

# Hazem Hussien

DevOps/MLOps Engineer and Researcher.

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## Currently

Cyber Security Consultant

## Experience

Jul 2022 - December 2024  
2022  
2021 - Jul 2022  
2016

Motoon, DevOps Engineer, Technical Researcher  
Freelance, DevOps/MLOps Engineer  
Elkayan for Real Estate, IT Specialist  
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)