Hazem Hussien

DevOps/MLOps Engineer and Researcher.

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Experience

Jul 2022 - Now	**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**

Projects

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

Personal Website: Implemented personal website using Golang and deployed on 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*

Education

2016 - 2021	**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 (B2-C1)