

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
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	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)
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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)