

# Mahmoud Abuelhasaan Abdul Hamid

*Python developer*

*Egypt - Cairo*

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## Personal Profile

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Driven and versatile professional with expertise in **Python**, **SQL**, full-stack development, and **network integration**. Experienced in building efficient **ETL pipelines**, designing scalable web applications, and leveraging frameworks like **Django**, **Flask**, React, and Node.js. Skilled in data analysis, machine learning fundamentals, network protocols, and **integrating APIs** to enhance functionality. Proficient in optimizing data flows and ensuring seamless communication between systems. Dedicated to delivering high-quality, innovative solutions and contributing to data-driven decision-making. Passionate about collaboration, continuous learning, and using technology to solve complex challenges.

## Education

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- **Luxor University**

Bachelor of Computer Science

Graduation Grade (B)

Graduation Project Grade Excellent (A)

*Oct 2018 - July 2022*

## Work Experience

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- **Python Developer at Select**

*Aug 2023 Cairo*

Implement scalable application architectures using Python.

Integrate various data storage solutions (relational databases, key-value stores, blob stores).

Develop efficient solutions for systems, databases, UI, and web services.

Analyze and improve existing software solutions.

Conduct unit tests for enhanced application functionality.

Design and deliver reliable, low-latency, high-performant applications.

Stay current with emerging technologies and best design practices.

- **Django backend Developer at bb4first - Part time remotely**

*Oct 2024*

Responsibilities: Developed, maintained, and optimized backend solutions using **Django** and **Django Rest Framework**. Designed and implemented APIs, ensured data integrity, and integrated third-party services. Achievements: Delivered scalable, high-performance applications while collaborating with cross-functional teams to meet project goals.

## Projects

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- **Cisco Automation Operation Platform (COAP)**

*Oct 2023*

**Client**: STC (Saudi Telecom Company) | **vendor**: Cisco | **Employer**: Select (Outsourced Role)

The COAP project automates core operations at STC, reducing costs and workforce effort while enhancing efficiency. It handles tasks like task distribution, customer complaints management, and issue resolution. My

role focused on integrating COAP with vendor systems, developing APIs, and creating pipelines to ensure seamless communication and data exchange. This enabled streamlined workflows, faster problem resolution, and improved operational scalability for one of the region's leading telecom providers.

**Skills:** python, Flask, SQL, PostgreSQL, Docker, mage.ai, Linux, git, RESTful API,

- **Blue Buddy (Beach Management Platform)**

Oct 2024

**Client:** bb4First

This project involved developing a web and mobile platform for managing beaches and related services, focusing on backend development. The platform enables users to explore and book beach-related products and services, including fishing gear, water sports equipment, and other seaside essentials. It also manages boat trips, beach reservations, and event planning, providing an all-in-one solution for beachgoers and service providers. My role included designing and developing the backend system to support these features, ensuring efficient data management, seamless API integration, and scalable infrastructure for high user demand.

**Skills:** Django, Python, DRF (Django Rest Framework), PostgreSQL, Docker, GitLab, Linux, ci/cd

- **Upwork clone for skilled trade workers, using Django, React**

Mar 2023

Developed a Django and React web application in March 2023, resembling Upwork for skilled trade workers. Enabled users to showcase expertise, connect with clients

**Skills:** HTML5, CSS3, JS, ES6, React.js, Django, Python, PostgreSQL

- **Crowd-Funding web app using Django**

Apr 2023

Crowd-Funding web application using Django in April 2023. The project allowed users to create and fund campaigns, with features for managing donations and tracking progress. Source code hosted on

**Skills:** HTML5, CSS3, JS, ES6, Django, Python, PostgreSQL

## Skills

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### Programming:

HTML/CSS, HTML5/CSS3, Responsive Design, Bootstrap5, JavaScript, ES 6, Database, Odoo, Sass, React, Python, SQL, Git/GitHub, jQuery, C++, C Sharp, Java, Data structure, Algorithms, OOP, Unit Testing, Django, Flask, PostgreSQL, Bash script, Web server (Apache), Unit Testing, Unix/Lunix, Red hat system administration, MongoDB, Type Script, Pandas, NumPy, matplotlib, data pipeline with python, cleaning data, ETL concept, Rest-Farmwork

### Soft Skills

Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation, Critical Thinking, Self-Learning, Work Under Pressure, Work in Team

## INTERNSHIPS

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- Information technology institute Full Stack Web Development Using python des 2022 - April 2023

## Languages

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**English** Professional proficiency

**Arabic** Native proficiency

## PERSONAL INFORMATION

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**Date Of Birth** 23/9/1999

**Marital Status** Single

**Military Status** Exempt