

Mohamed Matar

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SUMMARY

Enthusiastic and detail-oriented Software Engineer with a strong foundation in web development and relational database systems. Proficient in Python, SQL (PostgreSQL/MySQL), and front-end technologies like HTML, CSS, JavaScript And React And back-end technologies like Express.js And Node.js . Successfully developed a digital archiving system during an internship, improving data organization and retrieval. Gained hands-on experience building hyper-casual mobile games at Homa Games. I am eager to apply my technical knowledge, problem-solving skills, and passion for learning to contribute to real-world projects and grow as a professional. Fluent in English and Egyptian Arabic.

EXPERIENCE

Game Developer

Homa Games

April 2022 - March 2023, Remote

- Designed and built hyper casual games for mobile devices.
- Maintained published games on app store and play store.
- Analyzed user data and engaged player feedback to implement new game features and enhancements, resulting in a 25% increase in user retention and 15% rise in in-app purchases.

SKILLS

Industry Knowledge: Coding Standards, Computer Science, Software Development Life Cycle (SDLC), Software Development

Tools & Technologies: Python, Relational Databases (MySQL, PostgreSQL), Non-Relational Databases (MongoDB), RESTful APIs

Interpersonal Skills: Problem Solving, Attention to Detail, Analytical Thinking

Front End: HTML, CSS, JavaScript, React, TailwindCSS

Back End: Express.js, Node.js

PROJECTS

Movie Suggestor

- Developed a **Random Movie Generator** web application to suggest movies based on user-selected genres.
- Utilized **HTML, CSS, and JavaScript** for creating a responsive and visually appealing front-end interface.
- Built the back-end using **Node.js**, enabling seamless communication with the REST API.
- Integrated a RESTful API to dynamically fetch movie suggestions based on the selected genre.
- Demonstrated expertise in **asynchronous programming** and handling API responses efficiently.
- Showcased strong skills in **full-stack development** and enhancing user experience through intuitive design.

Recipe Finder

March 2025 - April 2025

- Developed a full-stack web application that enables users to search for food ingredients and receive multiple relevant recipe suggestions using the Edamam API.
- Built a responsive front-end using **React**, with real-time data fetching and display via **Axios**.
- Designed and implemented a **Node.js/Express** backend to handle API requests and manage cross-origin communication securely with **CORS**.
- Focused on clean UI/UX and efficient API integration to ensure fast and accurate recipe results.

Officers' database

Egyptian Ministry of interior

- Developed a comprehensive relational database system using MySQL for managing officer records.
- Designed a user-friendly GUI with Tkinter in Python, enabling efficient data entry, retrieval, and modification.
- The system streamlined data processing, improved organizational workflows, and reduced record retrieval time by 40%.

EDUCATION

Bachelor In Computer Science

Modern University for Technology & Information - MTI • Cairo, Egypt • 2023

CERTIFICATIONS

Build Python Web Apps with Django Skill Path

Codecademy • 2024

- Certified in building Web Apps using django framework work
- Building knowledge in frameworks and how to build apps

Learn Python Programming Masterclass

Udemy · 2023

Data Analysis Challenger

Udacity · 2022

COURSEWORK

Algorithm and data structure

Mti university · 2021 · Team work, Critical thinking, problem solving

- Coordinating with project group

Database Systems I

Mti university · 2021 · Project Planning, Database designing

- Building a relational database for a supermarket project

Software Engineering I

Mti University · 2021 · Software Development life cycle, project designing

- Planning and coordinating with the team project
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