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

Random 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 (Personal Project)
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

2019 – 2023
Minor in Compute Science · Modern University for Technology & Information - MTI · Cairo, Egypt
· Skills: Coding Standards · Relational Databases · MySQL · Attention to Detail · Computer Science · Problem Solving · Software Development Life Cycle (SDLC) · Python (Programming Language)

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