Omar Khaled

Software Engineer(Backend Node JS Developer)

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Summary

I'm a software engineer , interested in building scalable systems. I like to use Node.js, but I'm always eager to explore new technologies that can help the business achieve its goals.

Education

Minya University Minya, Egypt

Bachelor of Computer and information(Bioinformatics) (Grade:good, Graduation project grade: A+) *2018 - 2022*

Technical Skills

Languages:NodeJS, JavaScript, TypeScript, SQL,C++,Python
Technologies:Express.js, Linux,Flask, Docker,MySql,Git,Postman
Concepts: System Design, Restful API, Database Normalization, Agile Methodology, SOLID Principles, OOP, Relational database

Projects

Furniture E-Commerce API | *Express.js, Mongoose, NoSQL, MongoDB* | Github Repo

- Developed a RESTful API application called Shofonera for furniture sales, leveraging Node.js for backend logic.
- Implemented CRUD operations for managing furniture products and categories.
- Designed secure authentication and authorization mechanisms, including email verification and payment methods.
- Created order processing and tracking functionalities.

Chat-App | ***Frontend**: HTML, CSS, Mustache.js **Backend**: Node.js, Express.js, Socket.IO* | Github Repo

- Developed a real-time chat application for seamless communication between users, featuring instant messaging capabilities with a user-friendly interface.
- Supported real-time text-based communication.

Task-Manager-API | *Express.js, Mongoose, NoSQL, MongoDB* | Github Repo

- Developed a RESTful API application called Taskaty for customized task management, leveraging Node.js for backend logic.
- Enabled users to create personalized profiles for a customized task management experience.
- Prioritized user privacy and data security by implementing robust encryption measures to safeguard sensitive information.

Dermascope (Graduation Project) | *Flask, NoSQL, MongoDB* | Github Repo

- Orchestrated the creation of a mobile application utilizing Flutter for the client side, integrated Flask for authentication and image processing on the server side, and leveraged MongoDB for efficient data storage.
- Implemented an API for Flutter to send photos to the backend for detection, receiving results after analysis using machine learning to identify the most probable disease.
- Stored the last detected disease for each user in the MongoDB database, displaying the last detection result.

Certifications

- **Information Technology Institute - Computer Vision using Python**
- **The Complete Node.js Developer Course (3rd Edition) -*Udemy***

Language

- Arabic
- English