**ELYAZID SALHI**

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## ****Software Developer | Backend Engineer****

Passionate and detail-oriented software developer with expertise in building scalable and efficient web applications. Proficient in Python, Flask, and MongoDB, with a strong focus on backend development, database management, and API integration. Adept at problem-solving, debugging, and optimizing code for performance.

## ****Technical Skills****

* **Programming Languages:** Python(Flask, Pandas, Numpy), JavaScript(ES5-6, Vanilla), C
* **Frameworks & Libraries:** Flask, PyMongo, Node.js
* **Databases:** MongoDB (Atlas), MySQL
* **Version Control:** Git, GitHub
* **Deployment & DevOps:** Render, Virtual Environments, Environment Variables, Heroku
* **Frontend Basics:** HTML, CSS
* **Tools**: Shell, Git, Docker, VSCode
* **Languages:** English (Advanced), Arabic (Native)

## ****Projects****

### ****Task Master****

**A web application for managing daily tasks efficiently.**

* Designed and developed a Flask-based task management system with MongoDB for data persistence.
* Implemented RESTful APIs for creating, updating, deleting, and retrieving tasks.
* Enhanced user productivity with features like task categorization, due dates, and status tracking.
* Integrated caching mechanisms for faster data retrieval using Redis.
* Deployed the application on Render for seamless accessibility.

**Tech Stack:** Python, Flask, MongoDB, HTML, CSS, JavaScript,render

### ****FinTrack API****

**A personal finance management API for tracking expenses, budgets, and savings.**

* Built a secure backend service using Flask and MongoDB for handling user authentication and financial data.
* Implemented robust error handling to ensure smooth API operations.
* Secured sensitive information using environment variables and authentication mechanisms.
* Developed and documented RESTful API endpoints for seamless data interaction.

**Tech Stack:** Python, Flask, PyMongo, MongoDB Atlas, dotenv, HTML, CSS, JavaScript, render

### ****Telehealth Collaboration Platform****

***A******remote healthcare solution******designed to facilitate online******consultations, patient management, and data analytics****.*

* Developed a **scalable backend system** using Flask and MySQL to manage **patient records and appointments**.
* Implemented a **role-based authentication system** for patients, doctors, and nurses.
* Designed an **appointment scheduling system** that enables patients to book consultations.
* Integrated **secure video consultations** between patients and healthcare professionals.
* Implemented **multi-factor authentication (MFA)** for enhanced security.
* Developed **data analytics and reporting features** for tracking healthcare metrics.
* Deployed the databse on **aiven** for high availability and scalability.

**Tech Stack:** Python (Flask), MySQL, React, aiven

## ****Experience****

* **Developed and deployed multiple web applications with the ALX like Airbnb\_clone, focusing on backend architecture and API development.**
* **Designed and optimized database schemas for efficient data storage and retrieval.**
* **Collaborated with clients to translate business requirements into functional software solutions.**

## ****Education****

**Back-End Specialization – AlxAfrica Software Engineer Program  
2025**

**High School Degree**

**2022**

## ****Certifications & Training****

* **ALX Software Engineering Program**
* **MongoDB for Python Developers**
* **Python Web Development Bootcamp**

## ****Achievements & Contributions****

* **Successfully deployed multiple projects on Render with optimized backend performance.**
* **Active contributor to open-source projects and technical forums.**
* **Passionate about building efficient, scalable, and secure backend systems.**