MOHAMED SALIM AGIL

Junior Software Engineer | Full-Stack Developer

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PROFESSIONAL SUMMARY

Junior Software Engineer with hands-on experience in JavaScript, Python, and full-stack web development. Experienced in building RESTful APIs, CRUD applications, and deployed web solutions using Flask, HTML, CSS, and SQL. Strong background in data accuracy, business logic, and system reliability gained from 7+ years in accounting and operations. Skilled in Git-based collaboration, problem-solving, and delivering user-focused software solutions.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python | **Frontend:** HTML5, CSS3, DOM Manipulation
Backend: Flask, REST APIs, JSON Server, Node.js | **Databases:** SQL, SQLite, PostgreSQL
Tools: Git, GitHub, Agile/Scrum | **Deployment:** GitHub Pages, Render, Vercel

TECHNICAL PROJECTS

Blood Glucose Tracker (Web App) - JavaScript, HTML, CSS

- Developed a responsive client-side application for logging and tracking blood glucose data.
- Implemented dynamic DOM updates and modular JavaScript architecture.
- Simulated API data consumption using local JSON files and deployed using GitHub Pages.

TaskZilla Lite - JavaScript, JSON Server, Node.js

- Built a full CRUD task management system with persistent storage.
- Integrated RESTful backend deployed on Render with task sorting, editing, and deletion.
- Designed application to run both locally and in production.

Blood Glucose Tracker (Python CLI) - Python

- Created a modular command-line application with persistent file storage.
- Implemented data validation, record updates, and review functionality.
- Applied clean code principles and reusable functions.

FanyaMap (Group Project) - Full Stack Web Application

- Collaborated in an Agile team to develop frontend and backend features and integrate APIs.
- Used Git and GitHub for version control, team collaboration, debugging, and deployment.

Haki Yetu Digital (Group Project) - Full Stack Web Application

- Contributed to frontend and backend development including authentication flows.
- Implemented protected routes, role-based access concepts, and deployed frontend using Vercel.

PROFESSIONAL EXPERIENCE

Senior Accountant - Coast Security Service Limited   **September 2017 - Present**

- Maintained accurate financial records and reconciliations using accounting systems.
- Improved internal processes through system optimization and documentation.
- Applied strong data integrity, auditing, and analytical skills transferable to software engineering.

EDUCATION

Moringa School - Software Engineering (Full Stack: JavaScript & Python)

Alison - Diploma in Effective Bookkeeping and Payroll (2023)

USAID - Financial Sales (2016)