Teklemariam Mossie Mengstie Software Engineer

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Profile

Motivated backend developer with a passion for expanding my knowledge in Software Developing and backend development. Skilled in crafting clean, concise, and maintainable code. Eager to contribute to impactful projects and continuously learn in a dynamic environment. Adaptable to both remote and in-office work settings.

Professional Experience

FullStack Developer

Liyu Bus Ticket Booking System

- This project included the implementation of a comprehensive bus ticket booking system using Python. The bus ticket booking system allowed users to register and login using a username and password. After logging in, users could check the available bus routes, view the number of seats left for each route, book their tickets, view their upcoming and past bookings, and download the details of their booked tickets.
- Additionally, the system provided users the ability to view the available seats for each bus route without the need to make a booking.
- Admins also had the ability to register and login to an admin page. On the admin page, admins could register buses, register bus routes, add comments, and register workers for specific buses, such as drivers and other staff. Admins could also delete and update requirements as needed. Admins could view comments, users, buses, and routes, and perform update and delete operations on these entities.
- Workers, on the other hand, could login to a workers page created by the admins. On the workers page, they could view the routes and bookings for the specific buses they were assigned to.
- Performed thorough unit and integration tests using Pytest while adopting a test-driven development approach.

Attendance Management System Using Face recognition System for Ethiopian Bureu Institute.

Attendance Management System Using Face Recognition for Ethiopian Bureau Institute: This project developed an attendance system using face recognition, implemented in Python, for the institute, providing efficient and secure employee attendance tracking, including registration, check-in/out using face recognition, comprehensive attendance records, secure technology, and optimized with an LRU cache and thorough testing, to streamline workforce management and boost productivity.

Education

ALX-Holberton School Software Engineering Boot Camp.

Bachelor of Science FullStack software engineering.

Aug 2022 – Nov 2023

Wachemo University

Bachelor of Science Computing and Informatics

Department of Information Technology(IT)

2018 – 2021 | Hossana, Ethiopia

Skills

Programming and Frameworks (Python, JavaScript (ES6) / TypeScript, Flask, ExpressJS, C, and Java)

Databases (PostgreSQL, MySQL, SQLite, and Redis)

Platforms (Windows, Linux (Linux,Ubuntu,))

Deployment (Nginx, andBash Scripting)

Tools and Collaboration (Git, PEP 8, Visual Studio Code, Vim, GitHub, Docker, Gitlab, and Slack)

Others (OOP, Software Engineering, Data structure and Algorithms, Pytest, Test Driven Development (TDD), CQRS pattern, Problem Solving, and Agile)

Certificates

ALX-Holberton School Software Engineering Boot Camp. ↗
(12-month program, Specialization in Back End)

Udemy Full course Java completion certificate ↗