

Yosef Alemu

Full stack developer



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</> SKILLS

FRONTEND DEVELOPMENT

HTML CSS Sass Tailwind CSS Bootstrap
Material-UI Shadcn/ui Typescript
JavaScript React.js Vue.js Redux Redux-
toolkit Webpack

DEVELOPMENT

Next.js TRPC Payloadcms Prisma

BACKEND DEVELOPMENT

Node.js Express.js Php Django .Net
NestJS

DATABASE MANAGMENT

MySQL PostgreSQL MongoDB SQLite

VERSION CONTROL

Git GitHub

DEPLOYEMNT & DEVOPS

Docker Kubernetes

PROBLEM SOLVING

Leetcode HackerRank CodeForce

PROJECTS

EFP PRIVATE SECURITY AGENT MANGNMENT SYSTEM

06/2023 – 08/2023

I contributed to the creation of the Ethiopian Federal Police Security Agent Management System, a comprehensive platform designed to modernize and streamline the manual processes involved in managing private security agents within the country. This system replaced outdated methods, providing a centralized platform for the Ethiopian Federal Police to efficiently monitor and control all agents and their employees. My role involved designing and implementing key features such as:

- **Application Document Validation:** Ensuring that all documents submitted by security agents met the necessary criteria.
- **Approval and Decline Workflows:** Automating the process of reviewing and deciding on applications, improving efficiency and accuracy.
- **Employee Management:** Integrating features for adding and managing employees associated with security agents, giving the Federal Police complete oversight of the personnel.

The project was built using the following technology stack:

- **Next.js:** for building a robust and responsive front-end.
- **Node.js:** for developing a scalable and efficient backend.
- **MongoDB:** for managing the database, offering flexibility and scalability for handling complex data.
- **Redux Toolkit:** for efficient state management, ensuring smooth and consistent user experiences.

This combination of technologies enabled us to deliver a high-performing system that significantly enhanced the Ethiopian Federal Police's ability to manage private security agents and their employees

MINT INVENTORY MANAGMENT SYSTEM

09/2023 – 01/2024

During my internship at the Ethiopian Ministry of Innovation and Technology, I developed an Inventory Management System that significantly modernized and streamlined the process of borrowing materials. This system replaced outdated methods, making the borrowing process more efficient and easier to manage. The project was built using a robust technology stack, including:

- **React:** for building an interactive and user-friendly front-end interface.
- **Redux Toolkit and Redux-Saga:** for managing the application's state and handling complex asynchronous operations.
- **Node.js:** for developing a scalable and efficient backend.
- **PostgreSQL:** for reliable and powerful database management.

AWARDS

Ethiopian Ministry of innovation

01/01/2024

received recognition from the Ethiopian Ministry of Innovation and Technology for my role in developing the Inventory Management System during my internship. This acknowledgment highlights the impact of my contributions to modernizing and streamlining their material borrowing processes

Ethiopian Federal police commission

29/08/2024

I received an award for my contributions to the Ethiopian Federal Police Security Agent Management System. This recognition highlights my role in designing and implementing a system that significantly enhanced the management and monitoring of private security agents across Ethiopia.

STEM PROGRAM WOLLO UNIVERSITY

2020

I was honored to receive an award from Wollo University for my outstanding achievements in the 4-year STEAM program.

- **Hasura:** to enable rapid development with GraphQL, facilitating seamless integration between the front-end and back-end.

This combination of technologies allowed me to deliver a high-performing system that significantly improved the overall efficiency of inventory management at the Ministry.

MUSIC PLAYER APPLICATION

I developed **JHome Party**, an innovative application inspired by my passion for music and social interaction. This platform allows users to create groups, invite others, and listen to music together in real-time, with the option to leave the group as desired. I integrated the Spotify API for seamless access to a vast music library.

The project was built using **React** for the front-end, **Django** for the backend, and **Redux** for state management, creating a dynamic and engaging user experience.

ECOMMERCE PROJECT

I developed an eCommerce website where administrators can create products, and users can browse, order, and make payments seamlessly using Stripe. The project was built with **React** for the front-end, **Redux** for state management, and **MongoDB** for database management, ensuring a smooth and efficient user experience.

PROFESSIONAL EXPERIENCE

Abugida Robotics and Technology Center

Flutter instructor

06/2023 – 07/2024 | Addis Ababa, Ethiopia

I had the opportunity to lead and mentor students in mastering Flutter, a powerful framework for building cross-platform mobile applications. My role involved designing and delivering comprehensive course materials, guiding students through hands-on coding sessions, and helping them build real-world applications from the ground up.