Nahom Birhanu Zewdu

Software Developer

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About Me

A self-taught full-stack developer with experience in Odoo, highly proficient in frontend technologies including React, Tailwind CSS, and JavaScript and Python (Django), REST API development, Node.js. Known for optimizing code, solving complex problems, and delivering robust, user-friendly solutions

EDUCATION

B.Sc. in Mechanical Engineering, *Addis Ababa Science and Technology University* 🔗

(Manufacturing stream)

06/2022 – 07/2025
Addis Ababa, Ethiopia

ALX Software Engineering Program, *(ALX)* 🔗
- Learn Python, C, data structures, algorithms, and Linux systems. Proficient in Python and JavaScript for backend development and databases. Developed strong problem-solving and collaboration skills

06/2023 – 06/2024
Addis Ababa, Ethiopia

PROFESSIONAL EXPERIENCE

ALX Venture Gig at a startup 🔗

09/2024 – 01/2025

- Collaborated closely with backend teammates to develop the responsive frontend of a tenant-customer connecting website for a South African startup, utilizing React, Tailwind CSS, JavaScript, and Jest for testing.
- This experience significantly enhanced my teamwork, problem-solving, and communication skills.

PROJECTS

ExtremExam: Ethiopian University Exit Exam Preparation Platform
- Independently developed a comprehensive exam preparation platform for Ethiopian university students, providing extensive resources for their exit exams, including practice tests, past university questions, and simulated exams.
- Designed and implemented the complete **full-stack architecture**, including the user-friendly frontend with **React** and **Tailwind CSS**, and the robust **backend RESTAPI** using **Node.js** and **Express.js**
- Engineered secure user management with Google Authentication and integrated Cloudinary for efficient image and file storage.
- Managed the entire data layer, including **database schema design** and implementation within **MongoDB Atlas**, ensuring efficient data retrieval and storage for diverse exam content

Odoo E-commerce Manage
- developed a modular e-commerce management system on Odoo 17, enabling efficient product handling, order processing, and PDF-based reporting for retail workflows.
- Designed and implemented complete backend logic using Odoo's MVC framework and PostgreSQL 15 for reliable and scalable data storage.
- Developed custom modules for product and order management, with Integrated automated PDF report generation

LANGUAGE

Amharic   • Native

English   • Professional

SKILLS

Odoo | JavaScript | Typescript | Python | Next | React | Node | MongoDB | Git | Django | Tailwind

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