Lencho Mengistu

Software Developer & AI Enthusiast

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SUMMARY

Self-taught software developer specializing in scalable **web apps, Telegram bots, automation, and AI-powered software**. Proficient in the full stack, utilizing **React, Next.js, Express, Hono, and Python**. Focused on clean code, robust architectures, and systems programming mastery, including active exploration of **Rust**.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, Rust, React, Next.js, Express, Flask, Hono, Bun.

AI & ML: OpenAI APIs, Google Gemini APIs, Vector Embeddings, Machine Learning Models, AI integration in apps and bots.

DevOps & Tools: Vercel, Digital Ocean, Koyeb, Netlify, Railway, Heroku, Linux, Backblaze B2 (MCP Server), TailwindCSS, Shadcn, Git.

KEY PROJECTS

Luna: AI-Powered Educational Platform

Tech Stack: Next.js, Hono, Backblaze B2, PostgreSQL, AI

- Comprehensive AI-powered platform for streamlining student workflows and enhancing academic productivity.
- Built with **Next.js**, **Hono** (API routing), **PostgreSQL**, and utilizes **Backblaze B2** for scalable cloud storage.

Books Bot: Educational Resource Downloader

Tech Stack: dBooks.org API, Python, Docker

- Feature-rich Telegram bot accessing educational resources via the **dBooks.org API** for book search and downloads.
- Supports direct messaging and inline mode, featuring user/admin management and **containerized Docker deployment**.

EDUCATION

Self-Taught Software Development

Continuous, hands-on learning in scalable architecture, AI integration, and full-stack development since 2022.

Addis Ababa University (AAU)

Currently studying at Addis Ababa University.