

Firaol Merga

Computer Science Student | Full-Stack Developer

📍 Addis Ababa, Ethiopia 📞 +251 941 318 298 ✉ fraolm41@gmail.com 🌐 GitHub 🌐 LinkedIn

PROFILE

Computer Science student and backend-focused full-stack developer experienced in building **scalable RESTful APIs and production-style web applications**. Skilled in **Python, Django, Django REST Framework, Node.js, React, and PostgreSQL**, with hands-on experience implementing **JWT authentication, background task processing with Celery & Redis, and containerized deployments using Docker**. Interested in backend engineering, system design, and building reliable software systems.

TECHNICAL SKILLS

Programming Languages

Python, JavaScript

Frontend

React.js, Tailwind CSS, HTML, CSS

Backend

Django, Django REST Framework, Node.js, Express.js

Databases

PostgreSQL, MongoDB, MySQL

DevOps & Tools

Docker, Git, GitHub, Linux, Render, Vercel, Postman

PROJECTS

Encore (YouTube → Spotify Sync API) [🔗](#)

Backend service that converts YouTube playlists into Spotify playlists using intelligent track matching.

- Integrated **YouTube Data API** and **Spotify OAuth2**
- Implemented **asynchronous background jobs using Celery and Redis**
- Built playlist synchronization with **retryable processing and fuzzy track matching**

Tech: Python, Django, DRF, PostgreSQL, Celery, Redis, Docker

Library Management System [🔗](#)

Full-stack web application for managing a digital library system.

Backend [🔗](#)

- Designed **RESTful API using Django REST Framework**
- Implemented **JWT authentication and permission-based access**
- Enforced borrowing rules with **database constraints and atomic transactions**

Frontend [🔗](#)

- Built a **React SPA** with authenticated routes and member dashboard
- Integrated API communication using **Axios**

Tech: Python, Django, DRF, PostgreSQL, React, Tailwind CSS, Docker

Social Media API [🔗](#)

RESTful backend system providing authentication and user profile management.

- Implemented **custom user model and token authentication**
- Developed secure **registration, login, and profile endpoints**

Tech: Python, Django, DRF, PostgreSQL

EDUCATION

Bachelor of Science in Computer Science

Ambo University

CGPA: 3.82/4.0

Relevant Coursework: Data Structures & Algorithms, Database Systems, Operating Systems, Computer Networks, Artificial Intelligence, Software Engineering

ALX Backend Engineering Graduate

Completed an intensive backend engineering program focused on **building scalable RESTful APIs, authentication systems, and production-ready backend services** using modern technologies.

2024 – 2027

Ambo, Ethiopia