

Yeabsira Desalegn Hailemichael

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SUMMARY

Backend Software Engineer with expertise in Python, FastAPI, and system-level programming. Built concurrent, automated systems with clean architecture through personal projects.

SKILLS

Languages: Python, Go, C, C++, Java, SQL, Bash

Technical/Programmatic: APIs, Data structures and Algorithms, Object Oriented Programming

Tools and Frameworks: FastAPI, Telethon, Motor, Redis, AWS, Docker, Git, MongoDB

Environments: Linux, Windows, Android

EDUCATION

Hawassa University, Institute of Technology

Bachelors of Information Technology

Exit Examination

Sep 2022 - June 2025

Hawassa, Sidama

Pass (77%)

African Leadership Academy

ALX Software engineering Program

Nov 2023 - Nov 2024

Remote, E-Hub (Addis Ababa)

PROJECTS

Server Rental Assistant | Python, Telethon, Redis, APIs

Personal Project

Dec 2024 - Present

[Telegram Bot](#)

- Built a Telegram bot using Telethon, Redis, and third-party APIs to automate user management, server monitoring, and billing workflows, reducing operational overhead.
- Optimized server administration by implementing a fully structured user lifecycle with automated controls.
- Delivered a user-friendly build platform, offering paid access and a queue-based free tier for build execution.

Rising Revived API | Python, FastAPI, Postgres, REST

Volunteer Experience

Nov 2025 - Present

Closed source

- Built a **REST API** backend for the [RisingOS Revived](#) portal to optimize release cycles, user/maintainer administration, and project analytics.
- Implemented a scalable and secure FastAPI backend with OAuth2 authentication and JWT-based access control.
- Automated error-prone release workflows, removing unnecessary manual steps and improving operational efficiency for the core team.

Hypr-network-manager | Vala, C, GTK, OSS

Personal Project

Feb 2026 - Present

[Github](#)

- Built a modular network management app for Hyprland, with complete support for Wi-Fi, Ethernet, and VPN management.
- Designed an applet with rich customization options and effortless integration.
- Developed the project to address the limited availability of flexible network management solutions for Hyprland users.