

Kalkidan Eshetu

BACKEND & AUTOMATION ENGINEER

Ethiopia — open to remote · Amharic (native), English

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SUMMARY

Self-taught backend and automation engineer with 5+ years building production Python services and media delivery systems. I built and maintain the streaming and direct-download layer behind PhonoFilm, a movie and TV platform serving **400,000+ users monthly**, and design REST APIs with FastAPI and PostgreSQL. Comfortable owning a service end to end — schema design, API, deployment, and the Docker/CI pipeline around it.

TECHNICAL SKILLS

Backend	Python, SQL, FastAPI, Django, SQLAlchemy, REST API design, JWT authentication, async/await
Media & Automation	FFmpeg, Telethon, Pyrogram, Selenium, Playwright, AsyncIO
Data & Infrastructure	PostgreSQL, Redis, SQLite, Supabase, Docker, CI/CD, Linux, Git
Also	Dart, Kotlin, Flutter, Next.js, Tailwind CSS

EXPERIENCE

Backend Developer

2024 – Present

PhonoFilm — phonofilm.net · Remote

- Built and maintain the **direct-download and streaming delivery layer** for a movie, TV, anime, and Asian drama platform serving **400,000+ users monthly**.
- Engineered direct download link generation and streaming playback delivery, keeping media serving fast and reliable under sustained high-volume traffic.
- Support a large, continuously growing catalogue spanning resumable playback, trending rankings, and a premium subscription tier.

Freelance Backend & Automation Developer

2021 – Present

Self-employed — Remote

- Delivered production Telegram bots and Python backends for clients, several under NDA, spanning media streaming, group moderation, and anonymous Q&A platforms.
- Built and maintain **Group Manager**, a Telegram administration bot with antispam filtering, role management, scheduled broadcasts, and usage analytics; Redis-backed and Docker-deployed.
- Engineered a low-latency media streaming bot using FFmpeg and AsyncIO for real-time playback inside Telegram voice chats.

SELECTED PROJECTS

Social Media Backend — FastAPI, PostgreSQL, SQLAlchemy, JWT · [source](#)

Full REST API — auth, posts, comments, likes, follows, direct messaging, notifications — on a normalized PostgreSQL schema.

Amharic Bible Bot — Python, Pyrogram, Redis · [source](#)

Live Amharic Telegram bot with daily verses, full-text search, and reading plans; Redis-cached lookups.

OntoTheLight / Anonymous Vent — Python, Telethon, SQLite · [source](#)

Anonymous Q&A platform with automated content moderation that filters abuse without manual review.

SMS Guard — Flutter, Kotlin · [source](#)

On-device Android SMS notification silencer, built with zero network permissions by design.