

# Abenezer Alebachew Endalew Software Engineer

 abenezeralebachew3@gmail.com

 +251929341497

 Addis Ababa, Ethiopia

 LinkedIn

 GitHub

## Professional Experience

### Software Engineer Intern, Eskalate

Mar 2025 – Nov 2025

- Delivered a production-grade Task Management API  with Clean Architecture, secure authentication, and RBAC for scalable enterprise use.
- Led a team of **5 backend developers** to build the backend of an **AI-powered blog platform** , enhancing user experience by delivering real-time AI suggestions and content improvements.
- Directed a **15-member cross-functional team** (web, mobile, and backend) to develop an **AI-driven social media content generator and auto-poster** , reducing manual effort in creating videos, images, and captions.
- Engineered FastAPI + Celery pipelines with LangChain & Gemini, automating media workflows and cutting content turnaround time by **4%** through the use of background processes.

### Backend Software Engineer Intern, Gumiapps

Jan 2024 – Feb 2025

- Built and deployed tested and production-ready RESTful APIs with Django & PostgreSQL, powering core features for a pharmacy SaaS across web and mobile.
- Strengthened security with authentication, RBAC, and rate limiting while optimizing database performance for faster, cleaner queries.
- Developed a CRM module and custom gift-card feature, boosting client engagement and retention by **5%** in 2 months.
- Developed a CI/CD pipeline to automate testing, linting, and AWS deployments using Zappa , reducing manual checks and cutting deployment time by over **60%**.

### Web Developer (Freelance / Contract), Peniel International Church

Feb 2023 – Dec 2023 | Addis Ababa, Ethiopia

- Customized and launched a responsive fundraising website using React.js, Tailwind, and Framer Motion.
- Enhanced donor experience with a mobile-friendly interface and integrated Chapa  for secure donations from 30+ countries.
- Boosted online contributions by **40%**, achieving **35% of the fundraising goal** within the first month.

## Projects

### SocialSpark, AI content generator for Instagram and TikTok

Aug 2025 – Sep 2025

- Created a scalable FastAPI backend powering AI-driven content generation workflows.
- Integrated Gemini API and developed an S3-based video pipeline, reducing manual effort and improving asset accessibility.
- Containerized services with Docker, cutting setup time from 6 to 2 minutes and simplifying external integrations.

### VERSEWise, RAG-Based Biblical Chatbot (Hackathon Winner)

Oct 2024 – Dec 2024

- Built a Flask CMS backend with RabbitMQ, reducing real-time RAG update response time by **6%** and boosting API speed by **10%** with multithreading.
- Implemented role-based access control and collaborative commenting, enhancing team adoption and user experience.
- Containerized services with Docker Compose, cutting environment setup time from **8 to 3 minutes**.

### Wedaj, An AI powered Voice companion

Oct 2025 – Nov 2025

- Designed and implemented the FastAPI backend architecture, establishing a scalable structure that streamlined development for the entire team.
- Developed and integrated speech-to-text, text-to-speech, and language translation features in the AudioService, enabling seamless voice interactions in Amharic and enhancing accessibility for Ethiopian users.

### AI powered blog platform

Aug 2025

- Designed backend APIs using Go, GORM, PostgreSQL, and Clean Architecture, enabling teammates to ship features seamlessly.
- Implemented secure authentication and authorization (JWT, RBAC, OAuth 2.0) following security best practices.
- Integrated AI-powered content tools and mentored teammates, improving writer productivity and overall delivery speed.

## Skills

### Programming Languages and Databases (Python, Go, JavaScript, PostgreSQL, MySQL, MongoDB)

### Frameworks and Tools (FastAPI, Flask, Gin, Docker, RabbitMQ, Celery, Linux)

### Soft Skills (Team collaboration, Problem-solving, Leadership, Agile Development, Effective Communication)

## Education

### BSc Computer Science, Addis Ababa University

Sep 2023 – Jun 2026 | Addis Ababa, Ethiopia

- In 2025, Addis Ababa University was ranked **among the top 20 universities**  in Africa out of 1,104 institutions.
- Relevant Coursework:** Advanced Database Systems, Networking and System Administration, Object-Oriented Programming, Design and Analysis of Algorithms.

## Awards and Recognitions

### Ethiopian Secondary School Leaving Examination

Feb 2023

- Achieved a score of 599/700, placing in the top **0.03% nationwide out of 845,188** candidates, in an exam where only **3.2% of the candidates passed with more than 50% score** .

### HackAddis 2025 winner, Indigitous

Nov 02, 2025

- Won a Hackathon hosted by Indigitous with my AI powered voice companion application