

# Yididya Andualem

## Backend Developer

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📍 Addis Abeba, Ethiopia

🌐 Jeyididya

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## Technical Skills

**Languages** ● ● ● ● ●  
Python, Js, Dart, SQL

**Framework** ● ● ● ● ●  
Django, DRF, Flutter, NextJs

**Tools & DevOps** ● ● ● ● ●  
Docker, Git, GraphQL, FFMPEG

## Awards

**2nd Place**  
*Ethiopian Collegiate Programming Contest*  
2021

**1st Place, Hackathon**  
*HackAddis*  
2020

## Personal Statement

Backend developer with 3+ years of experience designing and scaling distributed systems for education, media, and more. Skilled in Python, Django, Flutter, NextJs, PostgreSQL, and containerized deployments.

## Work Experience

### Backend Developer | DevOps

*Backos Technologies*

01/2023 – 05/2025 | Adama

- Designed and deployed a **School Management System** serving 800+ students, integrating attendance, grading, and fee collection modules.
- Optimized PostgreSQL with sharding, improving query response time by **40%** for yearly datasets exceeding **50K records**.
- Built and deployed **event management, inventory, and e-ticketing systems** for the Ethiopian Civil Service Commission, reducing manual coordination overhead by **60%**.
- Developed an appointment scheduling solution that cut administrative workload by **30%**.
- Architected containerized infrastructure with load balancing, enabling **99.9% uptime** for a large-scale media monitoring platform.
- Enhanced ad verification accuracy by **25%** using FFMPEG-based scene detection and motion analysis.

### FullStack Developer

*Freelance Ethiopia* 📍

10/2025 – 12/2025 | Remote

- Developed the **Gold Ethiopia** mobile application, delivering **real-time gold price updates** sourced from the National Bank of Ethiopia (NBE).
- Implemented **notification systems** to keep users informed of timely changes in both **local** and **international** gold markets.
- Integrated historical price tracking and visualization features to support user analysis.
- Built tools for gold-related calculations, including **gold loss estimation, purity testing** (karat-based), and **value calculators** to support traders and everyday users.

### Backend Developer

*Docsmart*

02/2023 – 05/2023 | Remote

- Designed backend architecture for a **document-sharing and contract management platform**, ensuring secure file storage and retrieval.

### Book Tera

*Private*

- A place for users to exchange physical books.

### **Intern Backend Developer**

*Serdo Traveling Software*

2020 – 2021

- Designed the database for a Hotel Management System.
- Implemented Amole payment gateway.
- Assisted in setting up GraphQL for backend services.

### **Intern Backend Developer**

*Awra Computing PLC* [↗](#)

2021 – 2022 | Addis Abeba

- Researched hosting environments and improved Docker configurations.
- Configured server infrastructure and conducted stress testing.
- Prepared a detailed server security analysis document.

## **Projects / Personal Projects**

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### **Wegegta Books** [↗](#)

*Your Amharic books in one place.*

- Tool to search and download Amharic books **for free**.

### **VTT Amharic Keyboard (Final Year Project)**

- Created an Amharic keyboard supporting Voice To Text and a new layout, boosting typing speed by **25%** in user testing

### **Automated Information Extractor Website**

- Extracts data automatically from Z-report files for easy analysis.

### **Telegram portal for University e-Student System**

- Telegram bot allowing students to access their university e-Student system efficiently.
- Used by 100+ students to see their academic results.

## **Education**

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### **Software engineering**

*Alx Ethiopia*

2022 – 2023

### **B.Sc. in Computer Science and Engineering**

*Adama Science and Technology University*

2019 – 12/2024