





WONDWOSEN ASEGI

Software Developer

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EDUCATION

Addis Ababa Science & Technology University, *Chemical Engineering* 

Doesn't matter, I dropped out.


Select Business & Technology College, *Computer Science* 

Relevant Courseworks: DSA|Operating Systems|Database Management|Object Oriented Programming

Saint Joseph School, *High School* 

Relevant Courseworks:

Literature, Spoken English, Mathematics, Physics and IT

ALX, *Software Engineering | Backend Development* 

Relevant Courseworks: Shell Script|Low Level Programming [C lang]|Python and Flask|Devops - CI/Cd pipelines|web server configuration|Test Driven Development|Automations and Continuous Monitoring

PROFESSIONAL EXPERIENCE

Tewos Technologies, *Backend Engineer* 

2024 – present

- **Wrote** efficient backend solutions for web and mobile apps using **php** and **python** powering various products of our company.
- Significantly **reduced data load time** by optimizing complex Eloquent queries and implementing efficient indexing strategies.
- **Integrated** local payment gateways such as **chapa** and **santim pay** and other third-party **APIs**, while enforcing clean architecture and reusable code.

SKILLS

Languages & Frameworks

Php | Python | Java | Dart | C | | Laravel | Spring Boot |
Django | Flask | Flutter | PostgreSQL | MySQL | Cassandra |
MongoDB | Apache Kafka |

Tools & Platforms

• Git | GitHub Actions | Notion | Slack | Jira

PROJECTS

Get Skills

- **Get Skills Backend API** – Designed and developed a scalable **RESTful API** using php for *Get Skills*, an indigenous online learning platform similar to Udemy. The backend handles course management, **user authentication**, **integrated payment**, and analytics, following **clean MVC architecture** and best practices for modern API development.

Custom Open Authorization

- Built a custom open **authorization server** to that acts just like "continue with google". It has dynamic and secure user auth, issues **OIDC tokens** and all the essentials.

Simple shell, *Terminal*

- **Simple Shell (C)** – Built a basic UNIX-like shell in C that supports command execution, input/output redirection, and piping. Demonstrated low-level programming skills by working directly with **system calls** like **fork()**, **execvp()**, and **waitpid()** to manage process control and command parsing.

Please checkout my portfolio site for more projects. 