WONDWOSEN ASEGID

Software Developer

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PROFILE

I'm Wondwosen Asegid. I'm a back-end software engineer and Computer Science student transforming complex requirements into scalable and efficient web and mobile solutions. I am really good at designing clean, maintainable APIs, optimizing database queries for peak performance, and writing a clean code that's as reliable as it is efficient.

EDUCATION

Select Educational Dev't PLC, *Computer Science*   2023 – 2028
Relevant Courseworks:
- Data Structures & Algorithms, Operating Systems, Database Management, Object Oriented Programming

ALX, *Software Engineering | Backend Development* 🔗   2023 – 2024
Relevant Courseworks:
- Algorithms, Low Level Programming [C lang and x86 assembly], Python and Flask
- Devops - CI/Cd pipelines, web server configurations, test automations and continuous monitoring

Saint Joseph School, *High School* 🔗   2017 – 2021
Relevant Courseworks:
- Literature, Spoken English, Mathematics, Pyhsics and IT

AASTU, *Chemical Engineering*   2021 – 2023
- Doesn't matter, I dropped out.

PROFESSIONAL EXPERIENCE

Tewos Technology, *Backend Engineer* 🔗   2024 – present
- **Engineered** scalable backend systems using php and MySQL, powering web platforms used by hundreds of out clients across Addis Ababa & Bahir Dar.
- Significuntly reduced data load time by optimizing complex Eloquent queries and implementing efficient indexing strategies.
- **Integrated** secure payment gateways like **chapa** and **santim pay** and third-party APIs, enhancing the our business operations and enabling seamless transactions.
- **Contributed** to backend and mobile development for key projects, collaborating closely with frontend teams to deliver fully functional digital solutions on time.
- **Enforced** clean architecture, reusable code patterns, and RESTful principles to ensure maintainability and ease of future scaling.

SKILLS

Languages
- Php | Python | Java | Dart | JavaScript

Databases
- PostgreSQL | MySQL | MongoDB

Tools & Platforms
- Git | GitHub Actions | Notion | Slack | Jira

Realted and Useful Skills
- Collaboration with cross functional teams
- Writing clean and maintainable code
- Writing Professional Documentaion

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.

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. 🔗

CERTIFICATES

Software Engineering 🔗
intensive 12 months software engineering program with specialization in backend development

REFERENCES

Emmanuel Alem, *Frontend Developer,* Tewos Technology Solutions
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Yared Nigussie, *Airframe Technician,* Ethiopian Airlines
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