

# Natnael Messay

Web Developer

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## PROFILE

Performance-driven Full Stack Developer focused on building scalable and efficient applications. Proficient in Data Structures and Algorithms for optimized, high-performing code. Detail-oriented and committed to clean, maintainable, and well-documented practices. Experienced in creating responsive user interfaces and robust backends. Collaborative, adaptable, and passionate about delivering reliable, user-focused software.

## PROFESSIONAL EXPERIENCE

### Backend Developer

4K Labs

09/2023 – 01/2024  
Adiss Ababa, Ethiopia

Transformed a static website into a fully dynamic, database-driven platform using the MERN stack. Developed and optimized backend APIs with structured routing, middleware, and modular architecture to support dynamic content and smoother user interaction. Implemented caching mechanisms, including in-memory and route-level caching, to reduce load times and improve server efficiency. Enhanced database performance by optimizing queries, adding indexes, and refining schema design. Integrated secure authentication using JWT, bcrypt, and role-based access control. Refactored legacy code, migrated static data into MongoDB, and ensured consistent data flow across backend services. Collaborated with frontend developers to achieve seamless API integration. Participated in Agile sprints, stand-ups, and code reviews. Improved backend reliability through logging, error handling, environment configuration, and API testing, while supporting deployments using Git, GitHub, and cloud hosting platforms.

### Backend Developer

Mereb Technologies

09/2024 – 03/2025  
Adiss Ababa, Ethiopia

I work at Mereb Technologies as a backend developer, specializing in Go (Golang) to build high-performance, scalable, and reliable server-side applications. My role focuses on designing and implementing RESTful APIs, optimizing database interactions, and ensuring efficient data flow to support dynamic, real-time applications. Leveraging Go's concurrency model, I develop systems capable of handling high loads with minimal latency, enhancing overall application performance. I also collaborate closely with frontend and DevOps teams to maintain seamless integration, implement security best practices, and deploy robust solutions. My work emphasizes clean code, modular architecture, and maintainability, contributing to efficient and sustainable software solutions that meet business and technical requirements.

## EDUCATION

### Bachelor of Science in Computer Engineering

Addis Ababa Universty

01/2021 – 06/2026  
5kilo

I am pursuing a Bachelor's degree in Computer Engineering at 5 Kilo University, with a 3.8 GPA. My coursework and projects focus on software development, including programming, database design, and system architecture. I have hands-on experience building applications, APIs, and backend systems, strengthening my problem-solving, coding, and analytical skills while preparing to contribute effectively in real-world software development environments.

SKILLS

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Front-End

Html ,CSS ,Tailwind CSS , Javascript ,React.js ,Next.js ,Vue

Back-End

Node.js ,express.js ,Go ,Flask

Database

MYSQL ,MongoDB ,PostgreSQL

Deployment

Vercel ,Render ,Heroku ,Netlify

Version Control

Git ,Github

LANGUAGES

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Amharic

English