Temesgen Marie

Software Engineer · Backend & AI Engineering

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SUMMARY

Software engineer focused on backend and AI engineering, primarily working with Go, Spring Boot, NestJS, Express.js, TypeScript, PostgreSQL and MongoDB. I build scalable REST APIs, design database architectures, implement authentication and authorization, integrate payment gateways, and develop real-time applications. I also work across the stack with React, Next.js and Flutter, deploying with Docker, Linux, Nginx, Redis and CI/CD pipelines. Experience spans marketplaces, education platforms, CRM systems and multi-tenant file management, plus AI-powered applications, AI agents and workflow automation.

TECHNICAL SKILLS

Languages	Go, TypeScript, JavaScript, Dart, C++, SQL
Backend	Spring Boot, NestJS, Node.js, Express.js, REST APIs, GraphQL, JWT, RBAC, WebSockets, Swagger
Databases	PostgreSQL, MongoDB, MySQL, Redis, Prisma, Mongoose
AI & automation	AI agents, LLM integration, workflow automation (n8n & custom)
Web & mobile	React, Next.js, Tailwind CSS, Flutter, Firebase
DevOps	Docker, Linux, Nginx, PM2, Git, GitHub, CI/CD
Integrations	Socket.IO, WebRTC, LiveKit, Chapa payments, Firebase Cloud Messaging

EXPERIENCE

Teamwork IT Solution PLC — Ethiopia

Backend Engineer & Mobile App Developer

- Developed backend services and REST APIs for ServeLink, an education and service SaaS platform.
- Built authentication, authorization, user management, community, booking, notification and real-time features.
- Worked on Chapa payments, LiveKit live sessions, Firebase Cloud Messaging and Redis background jobs.
- Contributed to production deployment, server configuration (Linux, Nginx, PM2), database migration and troubleshooting.

Nordiva — Saudi Arabia

Full-Stack Developer (MERN Stack)

- Developed full-stack features using MongoDB, Express.js, React and Node.js.
- Worked on CRM functionality, including customer, lead and business management modules.
- Contributed to a real-time conferencing project with chat and live communication features.

Nilewing — Ethiopia · Project

Mobile & Backend Developer

- Developed a traveler connection and matching app based on departure country, destination, flight information and travel dates.
- Implemented route- and destination-based matching; developed and integrated the backend REST APIs (Flutter, Express.js, MongoDB).

WisdomWalk — Ethiopia · Project

Backend Engineer

- Built backend services and REST APIs for a women's community mobile app and integrated them with the Flutter app (Express.js, MongoDB).

Alyah Software PLC Ethiopia

Web Development Intern

- Developed and maintained web application features with Next.js, React and Node.js, including API integration.

Dream More Ethiopia

Backend Engineer / Mobile App Developer

- Took part in product development, business operations and digital technology initiatives.

SELECTED PROJECTS

ServeLink
servelinks.com
Education and service SaaS: bookings, payments, wallets, live sessions and notifications.

MeetUp
meet.samtal.cc
Real-time meetings: audio/video, screen sharing and chat (WebRTC, Socket.IO, mediasoup).

Wisdom Walk
Google Play
Women's community mobile app (Flutter, Express.js, MongoDB).

MAS Gebeya
mas-gebeya.vercel.app
Marketplace for cars, houses, land and machinery; backend APIs on Render.

TEQ Drive
Multi-tenant SaaS
Enterprise file management with tenant isolation, permissions and audit logging.

Equilex
Legal services platform
Connects clients and lawyers with live chat and Chapa payments.

Nilewing
Google Play
Traveler connection and route matching app.

CRM & Business Systems
MERN stack
Customer, lead, task and administrative systems.

EDUCATION

B.Sc. in Computer Science — Bahir Dar University Ethiopia · June 2025

LANGUAGES

Amharic — Native · English — Professional working proficiency