Tsegaye Talegngeta

Full-stack Developer · React, Next.js, Node.js, Go

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SUMMARY

Full-stack developer with over two years of experience building web products with React, Next.js, Node.js and NestJS. Since 2025 my focus has been the backend: Go services for payment platforms, including gateway integrations with Ethiopian banks and wallets and event-driven systems on Kafka, NATS and gRPC. I am comfortable owning a feature from the database schema to the interface.

EXPERIENCE

Backend Developer (Go) · Pitron Tech Solutions — Jun 2026 – Present

Go · Spring Boot · Kafka · NATS · Twirp RPC · PostgreSQL · MySQL · Docker

- Build and maintain Go services across several fintech products, adding Spring Boot services where the existing stack calls for it.
- Connect services with Twirp RPC for synchronous calls and Kafka and NATS for event-driven messaging; design PostgreSQL and MySQL schemas and run everything in Docker.

Backend Developer (Go) · AddisPay — Jul 2025 – Jun 2026

Go · gRPC · RabbitMQ · Apache Pulsar · PostgreSQL · MySQL · MongoDB

- Integrated the payment gateway with **seven Ethiopian banks and wallets**: CBE, Awash Bank, Abyssinia Bank, Telebirr, M-Pesa, Kacha and Yaya.
- Built **event payment** and **school payment** products on top of the gateway.
- Developed Go microservices over gRPC with asynchronous messaging on RabbitMQ and Apache Pulsar, designing APIs and business logic on PostgreSQL, MySQL and MongoDB.

Full-stack Developer, Freelance · Upwork and direct clients — 2024 – 2025

TypeScript · React · Next.js · NestJS · Express · Prisma · PostgreSQL · MongoDB · Docker

- **BambooSIM** (bamboosim.com): SIM-card e-commerce site with a React storefront and a NestJS API on Prisma, PostgreSQL and Redis, shipped as a multi-service Docker setup. Owned the technical SEO.
- **Intern onboarding bot**: TypeScript Discord bot that runs onboarding end to end (project intros, daily tasks, submission tracking, feedback and end-of-internship reports) and answers questions with RAG over a Notion knowledge base stored in ChromaDB. SQLite for state; multiple instances under PM2 on DigitalOcean.
- **Shipment tracking system**: Next.js frontend, NestJS backend and MongoDB for managing and tracking shipment status.
- **React Flow editor**: node-based visual editor built with React Flow on a Node.js and Express backend.

Frontend Developer Intern · Ewenet Communication PLC — May 2024 – Oct 2024

Nuxt.js · Pinia · Tailwind CSS · NestJS

- Built the Nuxt.js frontend of **Reunite Us**, a missing-persons platform, using Pinia and Tailwind CSS, and integrated its NestJS APIs with the backend team.

PROJECTS

- **Dot-Code** (2025, award-winning team project): MERN collaboration platform with real-time code editing, team workspaces and AI-assisted suggestions and debugging. I built version history inside the editor.
- **Liqu** (2025, personal): TypeScript Discord bot that answers questions with retrieval-augmented generation on the Gemini API.
- **Ceramics Store** (2024–2025, personal): Next.js and MongoDB app for a ceramics shop with inventory, product management and seller reports.

SKILLS

Languages	TypeScript, JavaScript, Go, Java
Frontend	React, Next.js, Nuxt.js, Redux Toolkit, Pinia, Tailwind CSS
Backend	Node.js, Express, NestJS, Go, Spring Boot, REST, gRPC, Twirp
Messaging	Kafka, NATS, RabbitMQ, Apache Pulsar
Data	PostgreSQL, MySQL, MongoDB, Redis, SQLite · Prisma, Mongoose · ChromaDB
Infrastructure	Docker, Git, PM2, DigitalOcean, Vercel

EDUCATION

BSc in Software Engineering · Bahir Dar University, Ethiopia · CGPA 3.84 / 4.00 · Best Project Award — 2025