BINIYAM MARKOS

Full-Stack Software Engineer | Backend & Product Development

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PROFESSIONAL SUMMARY

Full-stack software engineer with 2+ years of experience building and maintaining production web applications and backend systems. Experienced with TypeScript, NestJS, Next.js, PostgreSQL, Prisma, Redis, RabbitMQ, and real-time systems. Comfortable owning features and products end-to-end, from understanding business requirements and designing technical solutions to development, deployment, and ongoing support. Experienced working directly with clients and taking ownership across engineering, product, and technical operations.

PROFESSIONAL EXPERIENCE

Frontier Consulting — Full-Stack Developer / Technical Lead

July 2025 – Present | Addis Ababa, Ethiopia

- Lead technical development for business and SaaS products, working across backend, frontend, databases, integrations, deployment, and ongoing product support.
- Own projects end-to-end, translating business requirements into technical solutions and taking features from development through production.
- Work directly with clients to understand requirements, present progress, resolve technical issues, and continuously improve delivered products.
- Built and maintained VeriPay, a business platform supporting invoicing, payment reminders, payment collection workflows, recurring billing, reporting, and payment verification.
- Developed backend services and APIs using NestJS, TypeScript, Prisma, PostgreSQL, and Redis, with integrations supporting production business workflows.
- Contributed to frontend development using Next.js and TypeScript, allowing end-to-end ownership of product features.
- Worked on Relate, a production SaaS platform covering job postings, messaging, community features, blogs, and content management.
- Implemented real-time functionality using WebSockets and Redis and asynchronous processing using RabbitMQ.
- Contribute beyond software development to technical planning, customer support, recruitment, marketing, and business development as part of a distributed team.

SELECTED PROJECTS

VeriPay — Business Payment & Invoicing Platform

veripayethiopia.com

- Full-stack development of a business platform for invoicing, payment reminders, recurring invoices, payment verification, reporting, and collections.
- Developed core backend functionality with NestJS, Prisma, PostgreSQL, Redis, and TypeScript.
- Built frontend functionality with Next.js and TypeScript.
- Worked directly with business requirements and continuously adapted the product based on client feedback.
- Contributed to production deployment, integrations, troubleshooting, and ongoing improvements.

Relate — SaaS Platform

- Contributed to a production SaaS platform supporting job postings, messaging, community features, blogs, and content management.
- Designed and maintained modular backend architecture using NestJS, Prisma, and PostgreSQL.
- Implemented real-time chat functionality using WebSockets and Redis.
- Integrated RabbitMQ for asynchronous messaging.
- Collaborated across frontend and backend development to deliver production features.

FREELANCE FULL-STACK DEVELOPER

2023 – 2024

- Delivered web applications for businesses using NestJS, PHP, React, and Next.js.

- Built booking platforms, beauty salon management systems, and courier-related applications.
- Implemented authentication, role-based access control, payment functionality, and business workflows.
- Configured CI/CD pipelines and production deployments.

Selected projects:

- Spa Booking System — kokispa.com
- Beauty Salon Management — in2skincare.com
- Bootcamp Registration — bootcamp.dsethiopia.org

IT SUPPORT & WEB DEVELOPMENT ASSISTANT

Tegbare-Ed College | 2021 – 2022

- Developed a student records system to improve access to and management of student information.
- Configured and optimized network infrastructure for the college computer laboratory.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, PHP
Backend: Node.js, NestJS
Frontend: Next.js, React
Databases: PostgreSQL, MySQL
ORM: Prisma
Messaging & Caching: RabbitMQ, Redis
Realtime: WebSockets
Authentication & Security: JWT, OAuth, RBAC
DevOps: Docker, CI/CD, cPanel
Architecture: REST APIs, Microservices, API Design, Clean Architecture

EDUCATION

BSc in Computer Science — Hawassa University | 2021 – 2024