Martin Tembo

Full Stack Developer | Backend & Systems Engineer

Location: Zambia (Remote)

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Professional Summary

Full Stack Developer specializing in building scalable digital intelligence. Experienced in architecting robust backend systems and high-performance web applications using Next.js, TypeScript, and Go. Proven track record in optimizing database architectures, automating complex workflows with AI agents, and leading development teams in remote environments.

Technical Skills

Languages & Runtime TypeScript, JavaScript, Python, Golang, Node.js

Frameworks Next.js, NestJS, Express.js, Hono JS, FastAPI, Gin, Vite

AI Engineering AI Agent Workflows, CLI Coding Agents, LLM Integration (OpenAI/Deepseek), RAG Pipelines, Python Automation

Databases & ORM PostgreSQL, MongoDB, Redis, MySQL, Prisma, TypeORM, SQLAlchemy, GORM

Cloud & DevOps Docker, AWS, GitHub Actions, CI/CD Pipelines, Linux

System Design Domain Driven Design (DDD), MVC Patterns, Microservices, Modular Architecture

Work Experience

Homiee | Australia (Remote)

Full Stack Developer | **Feb 2025 – December 2025**

- Architecting a scalable real estate platform serving the Australian market.

- Building high-performance property search engines with sub-100ms latency.
- Developing agent-facing dashboards for property management and analytics.
- *Tech Stack:* Next.js, Node.js, MongoDB, AWS

Elobbs Technologies | Remote

Backend & Systems Lead | **Jun 2023 – Jan 2025**

- Engineered backend systems supporting 100,000+ active job listings.
- Reduced database query times by 40% through advanced PostgreSQL indexing strategies.
- Designed secure authentication flows and role-based access control (RBAC) systems.
- *Tech Stack:* NestJS, TypeScript, PostgreSQL, Docker

Elobbs Technologies | Remote

Full Stack Developer | **Jun 2023 – Jan 2025**

- Built a Google Business Reviews aggregation system using Go (Golang) microservices.
- Implemented real-time data sync between external APIs and internal dashboards.
- Created responsive frontend interfaces for complex data visualization.
- *Tech Stack:* Golang, Gin, React, GCP

Featured Projects

AudienceAce (Live)

AI-powered lead generation utilizing NLP to scan social platforms (Reddit, LinkedIn) for high-intent buyer signals and automate outreach. * **Tech:** AI Agents, NestJS, HonoJS, Python, LLMs

Truck Logistics Planner (GitHub)

Enterprise route planning suite featuring Hours of Service (HoS) compliance tracking, real-time fleet telemetry, and automated logbook generation. * **Tech:** React, TypeScript, Leaflet Maps, Vite

MetiBuy (GitHub)

Next-gen e-commerce architecture leveraging Python FastAPI for AI-driven product recommendations and Next.js for a high-performance frontend. * **Tech:** Next.js, FastAPI, TensorFlow, PostgreSQL

Google Business Reviews (Live)

Microservices-based analytics dashboard aggregating GMB data to provide actionable business reputation insights in real-time. * **Tech:** Golang, Gin, Next.js, Docker