

Addis Ababa, Ethiopia

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Lelisa Merga

I am a Full-stack software engineer specializing in TypeScript, React/Next.js, React Native, and Node.js, with experience building scalable web and mobile applications. Passionate about solving real-world problems and collaborating with teams to deliver products that create meaningful value for users and businesses. Focused on clean architecture, performance, and building solutions that meet real client needs.

Experience

Software Engineer

FDRE Mesob Center

Feb 2026 - June 2026

Inventory Management System | On-site

Addis Ababa, Ethiopia

- Analyzed inventory workflows and stock management processes to understand system requirements.
- Wrote a Software Requirements Specification (SRS) documenting the features and functionality of the system.
- Designed high-fidelity UI prototypes in Figma to visualize the inventory management interface.
- Began implementing the system using the Odoo framework, translating business requirements into working features.
- Collaborated with team members to align requirements, design, and development.

Full-Stack Developer

Haramaya University

Dec 2025 - Jan 2026

HU Students Peace Forum System | Remote

Haramaya, Ethiopia

- Collaborated with a team of three to build a full-stack web platform for managing the Peace Forum's members, events, scheduling, and attendance.
- Developed backend services using Node.js and NestJS, implementing APIs for member management, event scheduling, attendance tracking, and reporting.
- Built the frontend with Next.js, creating responsive interfaces for administrators and members.
- Designed and implemented role-based access control to manage different user permissions for staff and members.
- Integrated features for notifications, event reminders, and attendance reporting, streamlining forum operations.
- Followed Agile-style team collaboration, including planning, code reviews, and testing, to ensure timely delivery.

Technologies and Languages

- **Languages:** Typescript, Javascript, Python, Java, C++
- **Technologies:** Node.js, Express.js, Nest.js, React.js, Next.js, React Native, Expo, Tailwind CSS, ShadCN UI, Redux, Zustand, Tanstack Query, Prisma, MongoDB, PostgreSQL, MySQL, REST APIs, Framer Motion, Radix UI, Three.js
- **Other:** Vite, PNPM, Biome, ESLint, Prettier, Bun, React Navigation, Expo Router, Lottie, CSS Modules

Education

- **BSc. in Software Engineering**, Haramaya University, Ethiopia.

Expected Graduation: June 2027

Projects

- **FDRE Mesob Center Self-Service System** - Full-Stack AI-Powered Government Service Navigation Platform
Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, NestJS, PostgreSQL, Prisma, Better Auth, Docker;
 - Built a full-stack self-service platform that helps citizens identify the appropriate ministry or government service based on their needs through AI-powered text and voice interactions.
 - Developed the responsive Next.js frontend and scalable NestJS backend, using PostgreSQL + Prisma for data management, Better Auth for secure administration, and Docker for containerized services.

- **Grace Community App - Full-Stack Mobile Social Platform**
React Native (Expo), NestJS, PostgreSQL, Prisma, Docker, React Query, Zustand, betterAuth
 - Built a full-stack spiritual social media app enabling posts, interactions, and community engagement.
 - Developed mobile client with React Native (Expo) and scalable APIs with NestJS; managed data using PostgreSQL + Prisma and containerized services with Docker.
- **LifeOS - Personal Productivity & Life Management Mobile App**
React Native (Expo), TypeScript, Expo Router, Drizzle ORM, SQLite, React Query, Zustand, Reanimated, Lottie
 - Built a modern productivity and life management app for organizing tasks, habits, goals, routines, and personal activities in one place.
 - Developed a cross-platform mobile experience with React Native (Expo), using Drizzle ORM + SQLite for local data management and Zustand + React Query for efficient state and server-state management.
 - Implemented an offline-first architecture with smooth animations and interactive UI using Reanimated, Skia, and Lottie, focusing on performance and a polished user experience.
- **Full-Stack E-Commerce Platform**
Next.js, Express.js, REST APIs, TailwindCSS, betterAuth, stripe
 - Developed an e-commerce platform with product browsing, cart, and order management using Next.js and Express.js.
 - Designed REST APIs and responsive UI for efficient product and transaction workflows.
- **Portfolio Content Management System**
Next.js, Prisma, PostgreSQL
 - Built a full-stack CMS using Next.js enabling dynamic management of portfolio projects and content.
 - Implemented database integration with Prisma and PostgreSQL with optimized server-side rendering.
- **Mesob File Sharing System**
Next.js, Node.js
 - Created a session-based file sharing platform allowing users to share files using a simple 4-digit access code without authentication.
 - Implemented temporary file storage and lightweight sharing workflows for quick collaboration.
- **Game Hub (Web) — Game Discovery Platform**
TypeScript, React, Chakra UI, TanStack Query, Zod, Zustand
 - Built a web app for discovering video games by platform, genre, and ratings with advanced search, faceted filtering, and wishlist functionality.
- **Game Hub (Mobile) — Cross-Platform Game Discovery App**
TypeScript, React Native, Expo, NativeWind, Zustand
 - Developed a mobile version of Game Hub with search, filters, wishlists, and offline caching for cross-platform gameplay discovery.
- **Bible App — Web based Bible app that supports 1600+ Languages**
TypeScript, React, TailwindCSS, TanStack Query, Zod, Zustand
 - Built a high-performance Bible web application supporting 1,600+ languages, featuring parallel translations, advanced search, and offline caching.
- **And many more projects on my [github](#)**

Interests

- Solving real-world problems through software,
 - collaborating with teams to build meaningful products,
 - focusing on solutions that genuinely help clients and their businesses,
 - exploring open-source projects, and learning new technologies.
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