

Yohannes Belete

Full-Stack Software Engineer | Next.js | React.js



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Adama, Ethiopia



GitHub



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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with a strong background in **test-driven** development, automated **CI/CD pipelines**, and multi-stack architecture. Proven track record of tracing complex codebase logic, writing unit/integration test suites, and isolating performance bottlenecks. Competent across diverse languages including **JavaScript, TypeScript, Python, and C++**.

EDUCATION

Adama Science and Technology University (ASTU)

Bachelor of Science in Computer Science and Engineering

CGPA: 3.8/4.0

Adama, Ethiopia

Graduation, June 2025

- Relevant Coursework:** Design & Analysis of Algorithms, Data Structures, DBMS, OS, Software Requirement Engineering, Data Communication & Networks, AI, and Information Storage & Retrieval.
- Advanced Code Analysis:** Solved **200+ LeetCode** and **Codeforces** challenges, mastering trace-debugging, edge-case isolation, and code complexity optimization.

EXPERIENCE

CodeForge

Fullstack Developer

Adama, Ethiopia

July 05, 2024 – Sep 10, 2024

- Production Engineering & Debugging:** Engineered and maintained a lab scheduling application supporting **200+ concurrent users**, eliminating booking conflicts and reducing scheduling time by **45%** while maintaining **99.9%** uptime on Vercel.
- CI/CD & Code Base Maintenance:** Spearheaded the integration of GitHub Actions CI pipelines, reducing deployment time from **20 minutes** to under **2 minutes** and accelerating code reviews by automating quality checks and test execution.
- Code Review & Collaboration:** Conducted regular code reviews and collaborated within a **6-person Agile team** to audit existing components, refactor legacy logic, and eliminate system conflicts.

PROJECTS

Brana — Library Management System [Live Demo](#) [GitHub](#)

- A hybrid book rental platform built with **Next.js, Node.js, and PostgreSQL** to digitize logistics and inventory tracking.
- Features secure digital PDF viewing alongside a robust role-based access control (RBAC) system with tailored dashboards.

Lab Scheduler – ASTU University [Live Demo](#) [GitHub](#)

- Developed an admin dashboard for analytics and a portal to track assistant rotations and lab assignments.
- Improved facility workflows using a data-driven UI to replace manual scheduling and synchronize staff.
- Optimized backend allocation **algorithms** and logic validations with **unit testing** to prevent multi-user runtime conflicts.

St-Giyorgis — Church Administration [Live Demo](#) [GitHub](#)

- A church management platform with **Node.js, MongoDB, React, and Cloudinary** to digitize directories and inventory.
- Integrated social features for posts, notifications, and video conferencing to facilitate remote engagement.
- Implemented a dual-dashboard and RBAC system to provide secure interfaces for staff and congregants.

LuxeStore — Multi-Tenant eCommerce SaaS [Live Demo](#) [GitHub](#)

- Built a Next.js and PostgreSQL multi-tenant platform featuring AI chat support and role-based user dashboards.
- Integrated secure authentication and UI components for product management, sales reporting, and storefront isolation.

Quantum Sync — Peer-to-Peer Video Conferencing [Live Demo](#) [GitHub](#)

- A real-time conferencing tool using **WebRTC, Socket.io, and Simple-Peer** for low-latency **P2P audio and video streaming**.
- Features for HD calling, screen sharing, and persistent chat using **React, Node.js, and Express** with a responsive interface.
- Architected low-latency peer-to-peer streaming protocols, handling complex state synchronization and debugging real-time connection dropouts across diverse environments.

SKILLS

- Languages & Databases:** JavaScript (ES6+), TypeScript, Python, C++, Java, SQL. PostgreSQL, MongoDB.
- Testing & Tools:** Git, GitHub Actions, Docker, RESTful APIs, Postman, Vercel.
- Frameworks & Methodologies:** Next.js, React.js, Node.js, Express.js, Django, Tailwind CSS, Prisma, Agile Scrum.