

# EDMEALEM KASSAHUN

Software Engineer | Full-Stack TypeScript Developer | Backend-Focused

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## PROFESSIONAL SUMMARY

Software Engineering graduate and full-stack TypeScript developer with 3+ years of hands-on experience building production web applications, backend APIs, dashboards, and real-time features. Strong in Node.js, NestJS, Express, React/Next.js, PostgreSQL/MySQL/MongoDB, and modern ORMs. Proven contributor across SaaS, edtech, ecommerce, and execution-governance products, with 50+ GitHub repositories, 5,500+ GitHub contributions, and 2,600+ coding hours tracked on WakaTime. Known for clean API design, reliable delivery, fast learning, and ownership from requirements through deployment.

## TECHNICAL SKILLS

Backend	Node.js, NestJS, Express.js, REST APIs, authentication/authorization, cron jobs, Socket.io/WebSockets
Frontend	TypeScript, JavaScript, React, Next.js, Tailwind CSS, responsive UI, React Hook Form, Redux Toolkit
Databases & ORMs	PostgreSQL, MySQL, MongoDB, Prisma, TypeORM, Sequelize, Mongoose
Tools & Platforms	Docker, Swagger/OpenAPI, Postman, Git/GitHub, Vercel, Netlify, Render, Linux
Currently Expanding	System design, microservices, Redis, message queues, scalable real-time systems, AI/RAG, Python/FastAPI

## PROFESSIONAL EXPERIENCE

<b>Software Engineer</b> - Nexudy <i>Seattle, WA, United States - Remote</i>	Nov 2025 - Present
<ul style="list-style-type: none"><li>Build and maintain full-stack product features for an execution-governance platform that helps institutions align leadership, oversight, and delivery teams around verified execution.</li><li>Develop backend services and responsive front-end workflows using TypeScript, Next.js, Node.js/NestJS, and PostgreSQL, with attention to reliability, clean data models, and maintainable APIs.</li><li>Collaborate across product and engineering to convert execution-risk and evidence-tracking requirements into usable, production-ready software.</li></ul> <b>Stack:</b> TypeScript, Next.js, Node.js/NestJS, PostgreSQL	
<b>Backend Developer</b> - Askuala Link PLC <i>Bahir Dar, Ethiopia - Hybrid / Remote</i>	Mar 2025 - Oct 2025
<ul style="list-style-type: none"><li>Contributed to an AI-powered school management and communication platform serving students, parents, teachers, and administrators.</li><li>Implemented authentication and authorization flows, message broadcasting, grading and ranking systems, annual result/roster generation, and in-app inventory/procurement features.</li><li>Built and maintained REST APIs and real-time communication features with Socket.io while improving performance and reliability of existing modules.</li></ul> <b>Stack:</b> JavaScript, Node.js, Express.js, MySQL, Sequelize, Socket.io	
<b>Full-Stack Developer Intern</b> - Nexus Tech Solutions <i>Addis Ababa, Ethiopia - Remote</i>	Nov 2024 - Feb 2025
<ul style="list-style-type: none"><li>Developed a student management admin dashboard for a beauty school, enabling enrollment tracking, course-based payments, and daily transaction review.</li><li>Implemented backend payment tracking, overdue-payment reminders with node-cron, SMS confirmations, and programmatic/manual notifications through Afro Message integration.</li><li>Moved quickly from frontend work into backend development, delivering clean implementation with minimal supervision and strong attention to UI accuracy.</li></ul> <b>Stack:</b> TypeScript, Node.js, Express.js, React, Tailwind CSS, MongoDB	

## SELECTED PROJECTS

**Nexudy - Execution Governance Platform** - Full-stack platform for deployed-capital execution governance; helps institutions verify progress with evidence, detect risk early, and maintain one source of truth.

**Stack:** Next.js, TypeScript, Node.js, PostgreSQL

**GreenBasket - Multi-Vendor Ecommerce Marketplace** - Graduation project connecting vendors and customers for fresh produce; includes admin/vendor dashboards, vendor verification, inventory, orders, real-time notifications, secure auth, and Chapa payment integration.

**Stack:** NestJS, Prisma, PostgreSQL, Next.js, React, Tailwind CSS, Redux Toolkit, Swagger

**Askuala Link - AI-Powered SMS for African Schools** - School management system tailored for African schools with automation, reporting, and communication tools; contributed backend platform features and real-time messaging.

**Stack:** Node.js, Express.js, MySQL, Sequelize, Socket.io

**Hotel Room Reservation Platform** - Full-stack hotel booking system with authentication, file uploads, payment integration, role-based admin/manager dashboards, booking management, and responsive customer experience.

**Stack:** TypeScript, React, Next.js, Node.js, Express.js, MongoDB, Chapa, Cloudinary

**Books Tera** - Social platform connecting local book lovers; built real-time chat and integrated it with React frontend communication flows.

**Stack:** NestJS, Socket.io, React

## EDUCATION

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**Bahir Dar University** - Bachelor of Science in Software Engineering | Jun 2021 - Jun 2025

CGPA: 3.86/4.00. Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Operating Systems, Web Development.

## CERTIFICATIONS & RECOMMENDATIONS

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**Certifications:** Back End Development and APIs - freeCodeCamp; Responsive Web Design - freeCodeCamp; Programming Fundamentals - Udacity.

**Recommendations:** Endorsed by managers and teammates for strong backend contributions, problem-solving, adaptability, independence, discipline, and high-quality delivery.