

Dagim Desalegn

FULL-STACK DEVELOPER

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SUMMARY

Junior Full-Stack Developer with strong expertise in building scalable web applications and integrating AI-powered chatbots. Proven ability to develop innovative solutions, demonstrated by first-place award for a real-time emergency ambulance dispatch system at university competition. Skilled in React, Node.js, Java, and PostgreSQL with hands-on experience in backend and frontend development. Eager to contribute to impactful technology projects.

EDUCATION

2022 – 2026 · JIMMA UNIVERSITY

BSc in Computer Science

Jimma Institute of Technology

- Awarded 1st Ranked Project Member and Certificate of Excellence for the final year project
- Relevant coursework: Data Structures, Database Management Systems, Web Programming, and Software Engineering.
- Completed a capstone project focused on real-time data syncing and location tracking for emergency services.

AWARD-WINNING PROJECT

2026 · JIMMA, ETHIOPIA

Erdataye – Emergency Ambulance Dispatch App

JIT Final Year Project Competition (1st Place)

- Built a real-time emergency response web application that matches patients to nearby ambulances using geolocation.
- Developed pre-filled medical profiles (allergies, blood type, chronic conditions) for rapid paramedic access, potentially saving critical minutes in emergencies.
- Recognized with a Certificate of Excellence and publicly lauded by the Dean of the Faculty of Computing & Informatics for social impact.
- Integrated a mapping API to calculate distance and route ambulances to the patient's exact location.
- Designed the database schema to store pre-filled medical profiles, ensuring fast data retrieval during emergencies.

SKILLS

- ✓ React
- ✓ Java
- ✓ JavaScript
- ✓ GitHub
- ✓ CSS3
- ✓ Python
- ✓ Problem-Solving
- ✓ Communication
- ✓ Node.js
- ✓ Postgres
- ✓ Git
- ✓ REST APIs
- ✓ HTML5
- ✓ PHP
- ✓ Team Collaboration
- ✓ Adaptability

WORK EXPERIENCE

2026 – 2026 · ADDIS ABABA

AI & Backend Developer (Intern)

MINT Innovation Portal

- Built the backend infrastructure for the MINT Innovation Portal using Node.js and Express, supporting registration and funding access for over 50 projects.
- Designed and implemented a PostgreSQL database schema to securely store innovator profiles and funding applications.
- Collaborated with frontend developers to define API endpoints, ensuring seamless data flow between backend services and the user interface.
- Contributed to the deployment pipeline, ensuring reliable uptime and performance of the portal.
- Tested and documented REST API endpoints to help the frontend team integrate data smoothly.
- Monitored server logs during the initial launch phase to identify and fix minor routing errors.

2025 – 2026 · JIMMA UNIVERSITY

Full-Stack Developer

ABJ Tutorial

- Developed a high-performance Telegram Mini app and Bot for academic tutorial services, serving over 500 students with direct access to video lectures, audio files, and PDF course materials.
- Designed and implemented a user-friendly interface within the Telegram environment, ensuring intuitive navigation for educational content.
- Built the Mini App interface using React and handled the bot logic with Python and the python-telegram-bot library.
- Monitored bot performance and fixed bugs reported by students to maintain reliable access to study materials.

2024 – 2025 · JIMMA

Volunteer Full-Stack Developer

CBTP (Community-Based Program)

- Developed an e-commerce platform for local cooperative stores in Bosa Addis Kebele to help them sell products online.
- Set up a simple inventory database to track available stock for the cooperative.

LANGUAGES

Amharic
English
Afan Oromo