

Jiru Gutema Software Engineer | Fullstack Developer

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EDUCATION

Addis Ababa University  , Bsc in Software Engineering 01/2023 – 09/2027 | Addis Ababa, Ethiopia

- CGPA: 3.73/4.0
- Relevant Coursework: Data Structures and Algorithms, Operating System, Computer Architecture, Object Oriented Programming, Software Development, Distributed System, Enterprise Application Development, System Design

African to Silican Valley  , Coding Academy (backed by google) 01/2025 – 01/2026 | Addis Ababa, Ethiopia

- Relevant Coursework: Advanced Data structures and Algorithms (Graph and Tree Algorithms, Dynamic Programming, Advanced String Algorithms)

PROFESSIONAL EXPERIENCE

Addis Ababa University  , Fullstack Developer 03/2026 – Present | Addis Ababa, Ethiopia

- Currently contributing to the development of a Regional Property Management System (PMS) designed to support property registration, tenant management, billing, payments, reporting, and administrative workflows.
- Working within a cloud-ready microservices architecture focused on scalability, performance, and observability.
- Tech Stack: ASP.NET  Core, React, Keycloak, PostgreSQL, RabbitMQ, Redis, Prometheus, Grafana, Jaeger

Gulit Marketplace, Backend Developer 05/2025 – Present | Addis Ababa, Ethiopia

- Architected and developed the backend for a full-stack e-commerce platform using **Express.js**, **Prisma**, and **PostgreSQL**, enabling seamless user and product management.
- Designed and secured RESTful APIs for authentication, and product operations, reducing response time through redis caching.
- Integrated payment gateways (chapa)

Mereb Technologies, Fullstack Developer 2026 – Present | Addis Ababa

- Software Developer at Mereb Technologies working on Bahmni-based healthcare software systems. Responsible for maintaining and improving legacy applications, developing full-stack features, fixing issues, and ensuring system reliability. Collaborating with the team to enhance system performance and support healthcare workflows.

PROJECTS

Email Craft  , A fullstack email composer application 06/2025 – Present

- Designed and developed the **entire full-stack application** using **NestJS**, **NextJS**, and **PostgreSQL**. Built an intuitive **real-time code editor**, **live preview**, and **customizable email templates** to help users craft responsive HTML emails efficiently.

Page Marker  , A simple Firefox extension that lets you draw, annotate, and highlight directly on any webpage. 09/2024 – 01/2025

- Independently built a **browser extension** using the **HTML5 Canvas API** and **WebExtensions**. Implemented features for **drawing, highlighting, and annotating webpages**, improving user productivity. Reached **100+ active users** within two months of release.

School Management  , 12/2025 – 01/2026

A .NET backend for managing school operations and data

- Developed a .NET-based backend for a school management system that handles student, teacher, class, and academic records. Implemented RESTful APIs, role-based access, and database integration to support secure and efficient school operations as a class project.

SKILLS

Linux (Advanced), React (Advanced), Expressjs (Advanced), Nestjs (Intermediate), Python (Advanced), Go (Intermediate), Java (OOP) (Intermediate), Flutter (Intermediate), TypeScript (Advanced), Dotnet (Intermediate)

CLUB AFFILIATIONS

Core Team Member- AWS Cloud Club Addis Ababa University  04/2025 – Present | Ethiopia

- Collaborated with peers to **organize hands-on cloud workshops**, **mentor students on AWS services**, and **promote cloud adoption** across campus. Contributed to event planning, technical demos, and community initiatives that encouraged students to explore **AWS fundamentals and certification paths**.