Yohana Mekuria Tesfaye

Software Engineer || FullStack Developer

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EDUCATION

BSc in Software Engineering   09/2022 – present
Addis Ababa Science and Technology University 🔗
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Management, System Analysis and Design, Computer Graphics, Mobile Computing, Software Design and Architecture, Distributed System, Computer Cyber Security.

PROFESSIONAL EXPERIENCE

FullStack Developer   12/2025 – 01/2026
Kuriftu Resorts 🔗
- Delivered an end-to-end **full-stack Gena discount platform** 🔗 , successfully selling **2,000+ tickets** during a high-traffic campaign.
- Integrated secure **payment gateways**, built **admin dashboards for ticket verification**, and processed **2.5M+ ETB in transactions** with zero downtime.

FrontEnd Developer   05/2024 – 02/2026
Etta Solutions 🔗
- Redesigned and rebuilt **ZMall**, an e-commerce delivery platform serving **100K+ users**.
- Built and deployed **Dashen Bank and Telebirr mini-apps** for ZMall, enabling in-app ordering and payments.
- Delivered the entire frontend end-to-end within **three months**, supporting **400+ orders per day**.
- Currently handles **several thousand daily active users** in production.

PROJECTS

EmmaCare 🔗   06/2025 – 07/2025
- Designed and trained a **machine learning model** to predict blood pressure using **SpO_2 and heart rate signals**.
- Built a **Node.js backend** to handle telemetry ingestion, real-time alerts, and secure medical data storage.
- Implemented **Arduino-based firmware** to collect and stream sensor data for live health monitoring.
- Delivered an end-to-end **AI-driven maternal health monitoring system**.

Hospitality Hackathon Website 🔗   03/2025 – 03/2025
- Collaborated on building the **official website** for ALX's first-ever Hospitality Hackathon.
- Designed and implemented a **responsive, user-friendly interface**, ensuring high performance and maintainability.
- **Onboarded 700+ participants**, streamlining registration and event management.

Dev Meetup Website 🔗   05/2023
- Collaborated with a team of **3 to develop** the website for the annual Developers Meetup event using **TypeScript**. Our team Designed and developed this website in just **2 Weeks**, a project that would typically take **1-2 months** to complete.

LEADERSHIP AND EXTRACURRICULAR

Blockchain & Smart Contract Mentor
- Taught **Rust and Soroban smart contracts** 🔗 to **20+ students**, guiding them through hands-on blockchain projects.
- Instructed **Solidity** to **40+ students**, covering smart contract development and deployment on Ethereum-compatible networks In AASTU.
- Helped students **build, test, and deploy blockchain applications**, fostering practical skills and technical confidence.

President Of Addis Ababa Science and Technology University Charity Club 🔗
- Led **fundraising initiatives**, raising **~100,000 ETB** to **support campus students**.
- Managed **60+ core members** and **100+ volunteers**, ensuring smooth event execution.
- Designed engaging activities to maximize participation and impact.

TECHNICAL SKILLS

- **Programming Language:** Python | javascript | C++ | java | Dart | Typescript | Solidity | Rust
- **Blockchain Platforms / Runtimes:** Soroban (Stellar) | EVM (Ethereum)
- **Framework and Tools**: React | Next | Tailwind CSS | Soroban | EVM | Flutter | Spring Boot | Figma | Github | MySQL | Firebase |
- **Practices:** Agile Development, Responsive Design, UI/UX Design, API Integration, Server-Side Rendering.

AWARD AND CERTIFICATES

- **EmmaCare AI maternal health system** 🔗 3rd place nationally at Gaithon Competition, Ethiopia
- **Course Completion** 🔗 2025 Digital Innovation Bootcamp: AI & Machine Learning l & ll, as part of Handong UNESCO UNITWIN Project.
- **Hackathon Finalist**, 🔗 *GDG*: Recognized for placing 3rd out of 20 teams.
- **Hackathon Finalist** 🔗 , *The Peoples' Friendship University of Russia, MEPHI*: Rewarded for placing 2nd out of 10+ teams.
- **Course Completion** 🔗 , *Advanced nodejs*: Completed an advanced Node.js course on Udemy.