

Mastewal Degu

(+251) 973166767 | mastewaldegu0@gmail.com
linkedin.com/in/mastewal-degu | github.com/MastewalD

EDUCATION

Addis Ababa Science and Technology University

2018 – 2023

Bachelor of Science in Electrical and Computer Engineering

Addis Ababa, Ethiopia

- Focused on computer engineering with strong foundations in both software and hardware.
- Developed skills in web development and applied knowledge through practical projects.

EXPERIENCE

MERN Stack Developer

2024 – Present

Qemer Software Technology (Full-time)

Addis Ababa, Ethiopia

- Developed full-stack applications including e-commerce, ride apps, and educational platforms.
- Integrated payment gateways such as Telebirr, Stripe, Flutterwave, and Chapa.
- Provided training on MERN stack development.

Backend Developer

2023 – 2024

Stone Age Technology (Full-time)

Addis Ababa, Ethiopia

- Built scalable backend systems for high-traffic e-commerce platforms using Node.js, Express, PostgreSQL, and AWS.
- Collaborated with cross-functional teams in an Agile environment to ensure seamless deployment.

Full Stack Developer Intern

2022 – 2023

Plan International Ethiopia

Addis Ababa, Ethiopia

- Developed an Asset and Inventory Management System for efficient resource tracking.
- Worked with React.js, Node.js, Express, and MySQL.

PROJECTS

Mood | *Express.js, MongoDB, Socket.IO, Firebase, React.js* | Live Demo

Nov 2024

- Ride app on Android/iOS with real-time driver-passenger communication.
- Built backend with Express and MongoDB, integrated push notifications with Firebase.
- Developed React based Admin Dashboard for managing users, drivers, and rides.

Rydbie | *Express.js, MongoDB, Stripe, Firebase, React.js* | Live Demo

June 2025

- Booking platform for driving license classes with student and instructor apps.
- Led backend and admin dashboard development, designed REST APIs, integrated Stripe for payments.
- Built React dashboard for managing students, instructors, lessons, and payments.

Africkiko | *Express.js, MongoDB, AWS S3, Flutterwave, React.js* | Live Demo

Feb 2025

- Music platform where users can listen, purchase, and subscribe, while artists upload/manage tracks.
- Built REST APIs, integrated AWS S3 for storage and Flutterwave for payments.
- Developed React Admin Dashboard for managing artists, users, and payments.

Smart Receipt Scanner | *Next.js, TypeScript, GraphQL, Tesseract.js* | Live Demo

July 2025

- Built a receipt scanning platform with OCR to extract store, date, amount, and items.
- Implemented GraphQL API and authentication for flexible and secure data handling.
- Developed responsive Next.js frontend for seamless user experience.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frameworks: React, Next.js, Express.js, Nest.js

Databases: MongoDB, PostgreSQL, MySQL

Tools: Git, GitHub, AWS (S3, EC2), Firebase, Docker

Others: GraphQL, REST APIs, Socket.IO