



MELKIAS TESHOMA

Full-Stack Developer

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CAREER SUMMARY

Results-oriented Full-Stack Developer with over 2 years of experience developing production-ready applications visible on **GitHub and live servers**. Focused in architecting scalable web platforms using **modern tech stacks** and integrating **AI-driven features** to enhance user engagement and automation. Focused on **model optimization (fine-tuning)** and secure authentication logic, with a dedicated focus on delivering **premium, high-performance** digital products from the ground up.

PROFESSIONAL EXPERIENCE

06/2024 – 09/2025
Addis Abeba

Kurez Tech

Backend Developer

- **Developed & Deployed Backend:** Architected a Studio Management System using **PHP Laravel**, handling everything from design to final deployment.
- **Optimized Performance:** Engineered secure database schemas and APIs to manage high-concurrency client data and resource tracking.

09/2024 – Present

General Technical Background Experience

- **Full-Stack Systems:** Engineered 10+ repositories, including University Clearance and Vendor-Contract Meal systems.
- **Technical Breadth:** Built diverse solutions ranging from Real-Time Facial Recognition to high-performance e-commerce.
- **Modern Stack:** Expertly utilized **Next.js 16, PHP Laravel, Node.js, and MySQL** for secure, scalable products.
- **AI & Automation:** Worked in automating enterprise workflows and integrating AI-driven features (Whisper/NLLB-200).

EDUCATION

2026
Haramaya University

Bachelor of Science in Computer Science

Haramaya University
Expected Graduation: 2025

SKILLS

Frontend

HTML, CSS, JavaScript, React, Next.js

Backend

Node.js, Express.js, PHP, Laravel, Python

Database

MongoDB (with Mongoose), MySQL (SQL), PostgreSQL

Full Stack

MERN Stack (MongoDB, Express.js, React, Node.js)

Other Tools

Git, GitHub, REST APIs, Docker

Basic Programming Nanodegree

2024

Basic Programming Nanodegree
Udacity

RELEVANT PROJECTS

Healthcare Voice Translator AI

- **Purpose & Solution:** Engineered an AI tool to break language barriers in healthcare by providing real-time, high-accuracy speech-to-text and translation for low-resource languages.
- **Tech Stack:** Fine-tuned **Whisper** and **NLLB-200** models, **Python**, and **Google Colab (T4 GPU)** optimization.

DebterLink | Educational Ecosystem

- **Purpose & Solution:** A multi-tenant platform connecting parents, Students, teachers, and schools to automate student performance tracking and increase academic accountability.
- **Tech Stack:** **Next.js 16**, **PostgreSQL**, **Node Express** and **JWT** for secure role-based access control.

Toksido | Luxury Suit Atelier

- **Purpose & Solution:** A premium boutique management and e-commerce platform designed with a high-end "Luxurious Brutalist" UI to handle bespoke tailoring orders.
- **Tech Stack:** **Next.js**, **Tailwind CSS**, and **Node Express**.

Studio Management System (Internship)

- **Purpose & Solution:** Built a comprehensive backend to automate studio operations, including client scheduling, project tracking, and financial resource management.
- **Tech Stack:** **PHP Laravel**, **MySQL**, and **RESTful APIs**.

Contract Meal & University Clearance Systems

- **Purpose & Solution:** Developed automated management systems to digitize university clearance and connect non-cafeteria students with local vendors via contract-based meal plans.
- **Tech Stack:** **React**, **Node.js**, **Express**, and **MySQL**.