EFRATA MIKIYAS AYELE

Software Engineer

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pishoftu, Ethiopia

SUMMARY

Passionate Software Engineer with 3+ years of experience in developing web applications and backend systems. Skilled at writing clear, concise code that is easy to maintain and troubleshoot. Experienced in working with both small and large teams across multiple projects and companies. Able to work independently of remote locations or in office environments as needed by the company.

PROFESSIONAL EXPERIENCE

Fintech startup incubator

2022 - 2024

Kefi Digital Innovations

Addis Ababa, Ethiopia

- Increased app performance by {30%} by developing {5} REST APIs for mobile banking prototypes.
- Enhanced financial analytics visibility by increasing dashboard efficiency (\$1 min.) using React implementation.
- Managed (5) high-quality projects, increasing team productivity by (15%) during internship.

Remote Frontend Development Intern

2024

Ashewa Tech Solutions PLC

Addis Ababa, Ethiopia

- Enhanced efficiency by {30%} by developing Angular-based inventory management systems for {5} departments.
- Collaborated with cross-functional teams across 5 African countries.
- Built 15+ React/Angular modules for their flagship inventory management system Implemented JWT authentication serving 500+ daily business users

Senior Software Developer

2025

eTech S.C.

addis abeba,Ethiopia

- Developed mobile and web applications using Angular and Vert.x as well as the MERN stack.
- Integrated {5} responsive web applications with secure REST APIs, enhancing user engagement by {30%}.
- Conducted extensive QA and quality testing to ensure bug-free, reliable features.
- Worked with cross-functional teams in Agile development environments to deliver product features.
- Optimized application performance and enhanced user experience.

EDUCATION

Bachelor Degree, Software Engineering

2022 - 2026

Mizan Tepi University

South West Region, Ethiopia

PROJECTS

Task & Team Management System

2023

Addis Ababa, Ethiopia

Tech Stack: Angular, Vert.x, MySQL

Developed a full-stack web application to streamline project, task, and team management
within a university setting. The system included role-based dashboards (admin, manager,
employee), inline task editing, team assignments, and visual dashboards using Highcharts.
The backend used Vert.x with JWT-secured endpoints and JDBC integration, ensuring
high performance and scalability.



KEY ACHIEVEMENTS

Simple & Professional:

- Software Engineer
- Full-Stack Software Developer
- Software Developer | Web & Mobile Applications
- Junior Software Engineer (MERN, Angular, Vert.x) (

30% improved query efficiency

by designing and fully revising the two largest MySQL databases

Coordinated a year-long release of a six-part platform project

With marketing, BA, QA, and sales department.

Chatbot implementation

Developed a chatbot which helped customer to reduce costs by 240% in their customer service department

SKILLS

Tools

Java · C++ · Python · Perl · MySQL ·

ASP.NET · MERN STACK. ANGUALR JS ·

QUALITY ASSURANCE .

REACT .FLUTTER.

Operating Systems

Unix · Solaris · Linux · Windows

STRENGTHS

★ Corporate Social Responsibility

Volunteered in the CSR team for Amadeus, organized tuition platforms for the underprivileged. I am a quick learner with the ability to understand new technologies and concepts rapidly, both in academic and professional settings. I adapt easily to different development environments and enjoy solving problems through clean, efficient code. I am committed to delivering high-quality work, supporting my team, and continuously improving my skills. My experience spans full-stack development using Angular, Vert.x, and the MERN stack, along with a strong focus on quality assurance and collaboration.

PROJECTS

E-Commerce Platform with Cart & Checkout

2023

Addis Ababa, Ethiopia

Tech Stack: Angular, Node.js, Vert.x, MySQL

• Built a responsive e-commerce platform that features user registration, product management, shopping cart functionality, and a secure checkout flow. Integrated JWT authentication, role-based access, and dynamic product search. The backend supports both Vert.x and Node.is versions for different environments, ensuring flexibility and modular design. Included order handling, shipping info, and payment method simulations.

Mobile-Responsive Student Portal App

2024

Addis Ababa, Ethiopia

Tech Stack: MERN Stack (MongoDB, Express, React, Node.js), React Native (Mobile),

· Created a student-facing portal for managing academic profiles, schedules, grades, and assignment submissions. Developed both web and mobile versions to ensure accessibility and usability. Implemented RESTful APIs with secure token authentication and integrated a robust QA testing process to ensure smooth functionality across devices.

KEY ACHIEVEMENTS

✓ Business Generation

Transforming struggling departments into revenue generation operations



Cutting loading time & fixing key security issues of the largest Wolf application

✓ Founded CloudSecurity at 22

with 2 other co-founders, being the technical lead; notable exit

LANGUAGES

English Fluent amharic Native

NOTABLE CERTIFICATION

MTM Association for Standards and Research

MTM-I and MTM-II certificates