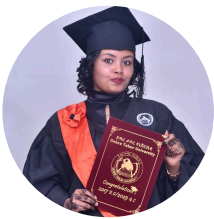


TSEDEY SOLOMON

Software Engineer

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SUMMARY

A passionate software developer, highly skilled in embedding systems and full-stack development, is drawn to the mission of creating impactful technological solutions. With proven experience in designing automated systems that enhance business operations and engagement, enthusiasm is shown for utilizing advanced programming skills to contribute to innovative projects. This dedication is coupled with a strong adaptability in software and hardware integration, promising to deliver effective and reliable solutions to meet the outlined goals.

KEY ACHIEVEMENTS

- ◆

Ticketing System Efficiency
Reduced manual ticketing by 60% with automation.
- ◆

Rotating Billboard Impact
Improved advertisement reach by 30% using rotation.
- ◆

Website Performance Boost
Enhanced webpage loading speed by 90% using React.
- ◆

Interactive Content Integration
Increased user engagement by 40% with interactive features.

SKILLS

Arduino	CSS	Embedded System	Git	HTML	Java	JavaScript	React	Tailwind	Ticketing System
TypeScript	Node.js	Express.js	MySQL	C++	Assembly	Prisma	Communication	Problem Solving	
Teamwork									

LANGUAGES

Amharic
Native

English
Advanced

WORK EXPERIENCE

Software Engineer Intern

2024 Addis Ababa, Ethiopia

Professional Electronic Data Systems (PEDS)

- Gained hands-on experience in hardware-software integration, learning how embedded systems communicate with software applications
- Explored the operation of cash register machines, understanding their data processing, transaction handling, and security mechanisms
- Assisted in connecting software with electronic hardware, applying concepts of serial communication, API integration, and embedded system programming
- Provided IT support to various companies, troubleshooting technical issues and ensuring smooth system operations
- Developed strong teamwork and collaboration skills by working closely with engineers and IT professionals on real-world projects
- Strengthened communication skills by assisting clients, explaining technical solutions, and coordinating with different teams
- Observed and participated in troubleshooting and debugging hardware-software interactions, enhancing problem-solving and analytical skills
- Collaborated with engineers to analyze real-time data processing in financial and retail systems, strengthening my knowledge of system optimization
- Developed a foundational understanding of embedded database management and its role in point-of-sale (POS) systems
- Worked closely with senior developers to identify and resolve communication issues between microcontrollers and software interfaces

EDUCATION

06/2021 - 02/2025

Debab Gonder, Debre Tabor, Ethiopia

B.Sc. in Computer Science

Debre Tabor University

- B.Sc. in Computer Science
- Debre Tabor University
- from 06/2021 - 02/2025
- Gpa: 3.48/4.0
- Exit Exam Pass: 60%

PROJECTS

03/2024

Ethiopia

● Rotational Billboard System Developer

School prooject

- Developed a motorized billboard system that automatically rotates advertisements, enhancing visibility and engagement for businesses
- Engineered a precise countdown timer for timed operations, ensuring accuracy and reliability in various applications
- Both projects demonstrate expertise in embedded systems, circuit design, and programming, showcasing a hands-on approach to automation and problem-solving

11/2023

Ethiopia

● 60-Second Countdown System

School project

- Timer Automation: Developed a system for precise countdown management, ideal for events requiring strict time regulation.
- Embedded Systems: Used Arduino for controlling the timer's hardware components, ensuring smooth and accurate operation.
- Real-Time Application: Integrated software with hardware for real-time operation, supporting event timing and countdown accuracy.

02/2024 - 01/2025

Ethiopia

● Full-Stack Development

Ethiopian Midr Babur

- Developed a digital ticketing system for Ethiopian Midr Babur, streamlining ticketing operations and improving efficiency
- The system allows users to purchase and manage tickets online, reducing manual processes and enhancing user experience
- Full-Stack Development: Built using React for the front end, Django for the backend, and MySQL for the database, ensuring smooth operation and scalability
- User Authentication: Implemented secure user login and registration features
- Payment Integration: Integrated a secure payment system for online transactions
- Optimized Design: Focused on responsive design for seamless use across devices

07/2024 - 12/2024

Ethiopia

● Advertisement Website

Zfg

- Designed and developed an advertisement website for ZFG, enhancing digital marketing and outreach by providing businesses with an online platform for promotion
- Frontend Development: Built using React, ensuring a responsive and dynamic user interface
- Backend Integration: Utilized Django to manage data and user requests
- SEO Optimization: Focused on enhancing visibility and reach through search engine optimization techniques
- Interactive Features: Integrated a content management system (CMS) for easy content updates and management