

HUSEN YUSUF ABEBAW

SOFTWARE ENGINEER | +251978251888 | [Linkedin](#) | husenyusuf876@gmail.com | <https://github.com/HusenY>

EXPERIENCES

Software Engineer (IoT & AI)

Minnovation

 06/2022 - 08/2023


 Addis Ababa, Ethiopia

Minnovation is a technology firm specializing in the innovative domains of the Internet of Things (IoT) and Edge Artificial Intelligence (Edge AI). My responsibilities there include:

- Utilizing Eclipse Kura for devices' edge communication and data processing
- Utilizing Eclipse Kapua for processing data in the cloud and communication with devices

Mobile App Developer

QawQal

 10/2023 - 12/2023


 Remote

I worked with the QawQal developers team in developing the **QawQal** super app using the Flutter framework. My main contributions were:

- Implementation of private and group chat features in the app
- Implementation of the Video call and Audio call features for the Swil MiniApp
- Integration using RESTful and GraphQL Api

Fullstack Developer

Liwasoft

 03/2024 - 12/2024

 Remote

I worked as a full-stack developer on various projects under Liwasoft, a Turk-based software company focused mainly on the restaurant, hotel, and tourism industries. My role there included:

- Designed and implemented online restaurant report tracking systems to monitor sales, inventory, and performance metrics.
- Built QR code-based restaurant menu systems, allowing customers to browse menus and place orders seamlessly through their smartphones.
- Developed online and in-person meal ordering systems for restaurants with customizable orders.
- Implemented secure and efficient payment systems.

ML Developer Intern

Ethiopian Artificial Intelligence Institute

 04/2024 - 08/2024

 Addis Ababa, Ethiopia

- Contributed to the development of an Amharic-speaking chatbot for a humanoid robot at the Ethiopian Science Museum.
- Worked on face detection and recognition algorithms to identify high-profile officials and pre-registered guests, ensuring personalized interactions.
- Implemented voice-to-text and text-to-voice conversion systems to enable the robot to communicate in Amharic.

Software Engineer

NAS Printing and ICT Solutions

 01/2025 - Present

 Addis Ababa, Ethiopia

- Serve as the main technological and technical lead at NAS Printing and ICT Solutions, overseeing the development and implementation of digital products.
- Design and develop client-facing websites, mobile applications, and custom systems tailored to business requirements.
- Deliver solutions for a variety of sectors, including consultancy firms, travel agencies, and private healthcare institutions.
- Lead and mentor a team of interns, providing hands-on training and technical guidance to support their growth and project success.

Skills

Programming Languages: Python | C/C++ | Java | Javascript/Typescript | Dart

Frameworks: Flutter | ReactJS | NextJS | NestJS |

ExpressJS | Django | FastAPI | Redux | Tailwind

Databases: MySQL | MongoDB | PostgreSQL | SQLite

Tools: Git | Github | Slack | Linear | Trello | Figma

Projects

AAUMSU Website

- Developed the official website for the Addis Ababa University Muslim Students Union, featuring event updates, announcements, and community resources.

QawQal SuperApp

- Built a multifunctional super app combining services like video sharing, chat, and movie streaming for a unified user experience.
- Developed one-to-one and group messaging features using Socket.IO.
- Integrated the AgoraSDK for video and audio call features.

Selam – Humanoid Amharic-Speaking Robot

- Contributed to the development of *Selam*, the first Amharic-speaking humanoid robot, showcased at the Ethiopian Science Museum.

Liwasoft Restaurant Management System

- Designed and implemented a comprehensive POS and restaurant management system, including order tracking, billing, and inventory management.

Client Websites at NAS Printing and ICT

Solutions

- Delivered tailored websites for various clients, including:
 - ECOLINK**—Environmental Trading and Consultancy Services
 - EIADE** – Ethiopian Islamic Association of Da'wa and Education
 - Ahlan Travel Agent**— Travel and visa processing services

Amharic Braille Reader



- Developed a tool to convert Braille into Amharic text and voice, supporting inclusive education and accessibility

Education

Bachelor of Science in Software Engineering (AI Stream)

 **3.86 / 4.0 (Top 1% score in the college)**

 Addis Ababa University

 09/2020 - Present  Addis Ababa, Ethiopia