

# AYFOKIR TSEGA

## FULL STACK DEVELOPER

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### PROFILE SUMMARY

I am a results-driven Full Stack Web App developer with over 3 years of experience in delivering high-quality, scalable web applications. I specialize in building end-to-end solutions that prioritize user experience, performance, and security. My focus is on understanding client needs, translating them into innovative digital solutions, and continuously optimizing for efficiency. I have a proven track record of successfully developing applications that integrate third-party services, improve business processes, and ensure seamless data flow. With a passion for problem-solving and continuous learning, I aim to contribute to impactful projects and help businesses grow in the digital space.

### SKILLS SUMMARY

**Languages:** TypeScript, JavaScript, python

**Frameworks and Libraries:** React, Next.js, Express, Redux Saga, Tailwind CSS, Bootstrap, Material-UI

**Tools and Technologies:** Git, GitHub, GitHub Actions, Docker

**Database:** MongoDB, MySQL, PostgreSQL

**Soft Skills:** Time Management, Communication, Problem-Solving, Leadership, Adaptability, Teamwork

### PROJECTS

#### Office Automation System

June 01 – September 2024

- Building an Office Automation System to streamline office tasks and improve efficiency.
- Utilizing Next.js and TypeScript to create a dynamic and responsive front-end user interface.
- Implementing Django as the backend framework to ensure robust and scalable server-side functionality.
- Designing and developing RESTful APIs using Django REST Framework for efficient data communication between the front end and back end.
- Styling the front-end components with Material UI to achieve a modern and consistent look and feel.
- Using PostgreSQL as the database management system to handle and store data securely and efficiently.
- The system operates exclusively within the company's local network, providing internal access to authorized users.

#### Dynamic Full-Stack Website For HST

December 01 – April 2024

- We are developing a robust and dynamic full-stack website for HST, a distinguished consulting firm based in Addis Ababa with over 20 years of experience. Our tech stack includes React.js, Next.js, Node.js, MySQL, Prisma ORM, and Tailwind CSS.
- This website will serve as the primary online platform through which our company interacts with clients, showcases our expertise, facilitates seamless communication, engagement, hosts a resource center, and enables job postings.
- The website can be accessed at: <https://myoffice.hst-et.com/>

## Pizza Ordering Service Application

June 10 – September 2023

- Ensured proper handling of data transactions to and from the database using RESTful APIs.
- Designed, deployed, and integrated a robust PostgreSQL database for high-profile applications.
- Conducted thorough unit testing on complex code to ensure functionality and reliability.
- Utilized the CASL library for authorization.
- Managed user authentication and authorization with JSON Web Tokens (JWT) for secure access control.
- Implemented Redux Toolkit for effective state management across the application.
- Employed Redux Saga for handling asynchronous operations efficiently.
- You can access it here: <https://pizza-ordering-service-app-three.vercel.app/>

## Zoom App Clone

August 01 – October 2023

- Drove routing and serving of Express.js Module
- I use EJS Template Engines and Zoom WebSocket events.
- For the communication between the clients and the server we are using WebSocket i.e. Socket.io.
- For making a video call app, It is required that each and every client send their video and audio stream to all the other clients. So for this purpose we are using Peer.js.
- For CSS Styling I use a Custom CSS.
- The Common Features of Zoom Like, Chat, Mute, Stop Video, Security, total Participants, Leave Meeting are fully implemented.
- The app has not been deployed at this stage, but I can provide a local demonstration if needed.

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## EDUCATION

Addis Ababa University, Ethiopia — B.Sc. in  
Electrical and Computer Engineering

09/2016 – 10/2021

Evangadi.com, Maryland, 20910, United States — Certified in  
Full Stack/MERN Stack Web Development

02/2023 – 09/2023

### Coursera Certified:

- Introduction to Cloud Computing
- AWS Cloud Technical Essentials
- Developing Front-End Apps with React
- Developing Back-End Apps with Node.js and Express
- Python for Data Science, AI & Development

10/2023 – 05/2024

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## WORK EXPERIENCE

### West International Holding Limited

10/2021 – 11/2023

- **Website Development:** Built and optimized the company's website, enhancing its functionality and improving user engagement.
- **Collaboration:** Worked closely with design and marketing teams to ensure seamless integration of visuals and content.

### HST Consulting PLC, Addis Ababa

12/2023 – PRESENT

- Developed a comprehensive internal system to automate office workflows, including help desk support, asset management, meeting scheduling, and leave tracking. This system resulted in a 20% increase in overall productivity.
- Designed and built the company's Full Stack Website, delivering a responsive and user-friendly platform. Significantly enhancing its online presence and increasing brand recognition.
- Worked closely with marketing and design teams to align the website with the company's brand and business goals.