

Birtukan Degu

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EDUCATION

Addis Ababa University

Addis Ababa, Ethiopia

Bachelor of Science in Computer Science

Aug. 2019 – Jul. 2023

Relevant Modules: Introduction to Artificial Intelligence, Supervised Machine Learning: Regression and Classification, Calculus II, Calculus I, Applied Mathematics I, Applied Numerical Analysis, Discrete Mathematics and Combinatorics, statistics and probability theory, Formal Language and Automata Theory, Complexity Theory, Compiler Design, Computer Security, Computer programming, Web Application Development, Data Structures and Algorithms, Design and Analysis of Algorithms, Advanced Database Systems, Operating Systems, Wireless Communication and Mobile Computing, Computer organization and Architecture and Real Time and Embedded Systems.

EXPERIENCE

Frontend Engineer

Apr. 2024 – Present

Cilondis

Addis Ababa, Ethiopia

- Write modern, performant, maintainable code using ReactJs and NextJs for various projects.
- Built **WagaPAY**, a payment gateway web application using Next.js and TypeScript, ensuring a user-friendly and secure experience for efficient financial transactions.
- Developed **Sewlesew**, a donation platform built with Next.js and JavaScript, allowing users to donate to various causes and track their donations.

Frontend Developer

Aug. 2023 – Jan. 2024

Stone Age Technologies Sia

Cosway Bay, Hong Kong — Remote

- Translated Figma designs for a social media platform into a fully responsive and functional user interface by developing and implementing clean, reusable components with React.
- Led the UI/UX team to successfully deliver visually compelling interfaces for multiple projects by managing the entire design process in Figma, from concept to final prototype.

UI/UX Designer

Oct. 2022 – Jun. 2023

RDX Delta Rabbit Technologies

Addis Ababa, Ethiopia

- Collaborated with a skilled team, contributing to successful and visually appealing user interface designs for various projects.
- Successfully led and coordinated projects from inception to completion, ensuring efficient workflows and delivering results.

PROJECTS

WagaPAY | *NextJs, Typescript, Redux Toolkit, Tailwind, Docker*

June 2024 – Present

- Developed a payment processing web application with Next.js, TypeScript, and Redux Toolkit, styled with Tailwind CSS, and containerized with Docker.
- Engineered a secure and user-friendly system for handling financial transactions efficiently.

Sewlesew | *Next.js, JavaScript, Redux, Tailwind CSS, Docker*

2024

- Built a donation platform using Next.js, JavaScript, and Redux for state management, styled with Tailwind CSS, and containerized with Docker.
- Implemented features allowing users to make donations and securely track their contribution history.
- Focused on creating a user-friendly interface for a straightforward donation process.

Shelfee | *Next.js, TypeScript, Redux Toolkit, Tailwind CSS*

2025

- Developed a book management application using Next.js, TypeScript, and Redux Toolkit for state management, styled with Tailwind CSS.
- Implemented OAuth for secure user authentication and personalized experiences.

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Java, Python, C/C++, SQL (Postgres)

Frameworks: React, Next.js

Developer Tools: Git, GitHub, Figma, Adobe Illustrator, Docker, VS Code, Visual Studio, IntelliJ, Eclipse

Libraries: Tailwind CSS, Framer Motion, ShadcnUI, NextUI