

Sena Adane *Software Engineer*

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Portfolio app
Linkedin
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Summary

Results-driven Full-Stack Software Engineer with a B.Sc . in Software Engineering from Debre Berhan University and experience developing web applications for banking and higher education. Proficient in React.js, Next.js, TypeScript, Redux, Laravel, .NET, Python, FastAPI, and relational databases. Skilled in frontend and backend development, REST API integration, and Agile collaboration. Seeking opportunities to build reliable, high-quality software solutions.

Education

11/2019 – 07/2024
Debre Berhan, Ethiopia

Debre Berhan University
Bachelor of Science in Software Engineering
Graduated with top academic performance.

Experience

07/2026 – Present
Addis Ababa, Ethiopia

Part-time Independent Software Developer
Personal Development Projects | Ongoing
Design and develop independent web applications to apply full-stack development skills and explore modern technologies through practical projects.

04/2025 – Present
Addis Ababa, Ethiopia

Nib International Bank
Junior Technical Officer
Perform technical configuration and troubleshooting of POS terminals and ATM systems, resolving operational and system-related issues.
Collaborate with the development team on the internal POS Report Management System, contributing to frontend development and software enhancements.

04/2024 – 04/2025
Adama, Ethiopia

Hawi Software Solutions
Full-Stack Developer

- **E-Student System — Harambee University**
  Developed responsive user interfaces using React.js, Vite, Tailwind CSS, and Redux. Integrated REST APIs for dynamic data handling and improved application functionality.
- **Harambee University Official Website**
  Developed the official university website with dynamic content and admin (CMS) functionality using Next.js, TypeScript, Tailwind CSS, and Cloudinary for media storage. Contributed to both frontend and backend development.

05/2023 – 07/2023
Adama, Ethiopia

Hawi Software Solutions
Software Developer Intern
Developed frontend components and integrated backend functionality using React, Laravel, and MySQL.

Projects

Smart Music Recommendation System
Full-Stack Developer
Developed a music recommendation API and web application that recommends songs based on genre, mood, theme, language, and content preferences.
- Built the backend using Python and FastAPI implementing scoring algorithms to rank and recommend songs.

Doorstep Tutor System
Full-Stack Developer
An upgraded tutoring platform designed to connect students with teachers and facilitate access to educational support.
- Developed the application using Next.js, TypeScript, and Tailwind CSS, with PostgreSQL and Supabase for database management and backend services.

Human Resource Management System
Frontend Developer & Partial Backend Developer
- Developed a web-based HR system for Akufada Microfinance to manage employee records and HR operations
- Built responsive UI using React.js, Bootstrap, and Tailwind CSS; contributed to backend with .NET and SQL Server

Skills

Frontend
- React.js
- Next.js
- TypeScript
- JavaScript
- Redux
- HTML
- CSS
- Tailwind CSS
- Bootstrap

Soft Skills
- Problem Solving
- Communication
- Team Collaboration
- Time Management
- Project Management

Languages
- English (Fluent)
- Amharic (Fluent)
- Afan Oromo (Fluent)

Backend
- Python
- FastAPI
- Laravel
- .NET
- PHP
- Next.js (API Routes)
- Livewire

Tools & Concepts
- REST APIs
- JWT Authentication
- Prisma
- MVC Architecture
- Agile (Scrum)
- shadcn/ui
- Cloudinary

Database
- MySQL
- PostgreSQL
- Microsoft SQL Server
- SQLite

Version Control
- Git
- GitHub

Certificates

- Data Analysis Fundamentals – Udacity
- Python Developer Certificate- freeCodeCamp