

Firomsa Assefa Roba

Software Engineer

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🔗 LeetCode

🧩 OBJECTIVES

Driven software developer with hands-on experience in web development using Next.js and Spring Boot. Skilled in frontend and backend development, API integration, and building secure, scalable applications. Strong foundation in programming, algorithms, and data structures, with a passion for designing efficient and maintainable software solutions.

🎓 EDUCATION

BSc in Computer Science and Engineering,

2022 – 2026

Adama Science and Technology University [🔗](#)

Adama, Ethiopia

- **Established in 2007.** involved in research and international partnerships, hosting its 5th International Research Symposium in May 2025.
- **Relevant Coursework:** Advanced Networking, Database Systems, Object-Oriented Programming, Operating Systems, Data Structures, Algorithms and Machine Learning.

Data Structure and Algorithms, Software Development, Africa to Silicon Valley [🔗](#)

2024 – 2025

Adama, Ethiopia

- A2SV (Africa to Silicon Valley) is a nonprofit tech academy and incubator that empowers high-potential university students across Africa with free, rigorous training in software engineering, preparing them for **internships and careers at top tech companies** like Google, Palantir, and Amazon.
- Completed a year long competitive programming training, solving about **400+** problems on leetcode and codeforces combined
- Developed **Frontend development** skills
- **Team leadership** and management

💼 PROFESSIONAL EXPERIENCE

Web Developer Intern, Eskalate [🔗](#)

2024 – 2025

Adama, Ethiopia

- Developed web applications using **Next.js**, ensuring optimal performance and scalability.
- Implemented **state management** with **Redux**.
- Integrated **NextAuth** for secure and seamless authentication.
- Built and consumed **RESTful APIs**, ensuring efficient communication between frontend and backend services.
- Conducted **unit and integration testing** using **Jest** and **Cypress**, improving application reliability and code quality.

📁 PROJECTS

Inventory Management System [🔗](#)

2025 – 2026

- Built scalable REST APIs with **Spring Boot** and secured endpoints utilizing **Spring Security**.
- Developed a responsive and dynamic user interface using **Next.js** to manage real-time inventory tracking.

- Architected a relational schema and optimized queries using **PostgreSQL** and **Spring Data JPA**.
- Containerized application layers via **Docker** and automated deployment with a **CI/CD** pipeline.
- Guaranteed backend reliability by writing automated test suites using **Testcontainers** to validate live database interactions.

RemedyMate

07/2025 – 08/2025

- Developed the frontend of a healthcare platform connecting patients with doctors using **Next.js**.
- Implemented **secure authentication** with **NextAuth** for seamless login and user management.
- Managed **application state** with **Redux** to ensure consistent data flow across the platform.
- Integrated and consumed **RESTful APIs** for dynamic and real-time data interactions.

E-commerce backend

10/2024 – 11/2024

- Developed a **RESTful API** for an eCommerce platform using **Spring Boot**, handling products, orders, users, and carts.
- Implemented **JWT-based authentication and authorization** to secure user accounts and sensitive operations.
- Designed and managed a **relational database schema** (MariaDB) to ensure data integrity and optimized queries.
- Built **modular, maintainable services** following **best practices in Spring Boot** and layered architecture.
- Implemented **unit and integration tests** to ensure reliability and prevent regressions.

 SKILLS

Programming languages

Python, JavaScript, Java

Frameworks

NextJs, Spring Boot

DBMS

MySQL, MariaDB, PostgreSQL

Others

Git, GitHub, Linux, Postman, Docker

 Certificates

Advanced React

Successfully completed Scrimba’s **Advanced React** course, a comprehensive 12-hour interactive tutorial designed to elevate React development skills. The course focused on topics such as React Children, props spreading, and **React Router 6**, equipping me with the expertise to build complex, scalable applications.

Java (Basic)

Verified technical proficiency in **core Java** concepts, including object-oriented programming (**OOP**), data structures, inheritance, and exception handling.