

NATOLI LEMMA

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SOFTWARE ENGINEER

Full Stack Developer with 3+ years of experience building scalable web applications in Delivery, E-commerce, and Logistics. Specialized in robust backend systems using Java, Spring Boot, Hibernate, PostgreSQL, and MongoDB, with strong expertise in RESTful API design, business logic implementation, and integrating complex data modeling. Proficient in frontend development with React.js, including functional components, hooks, Redux, and modern ES6+ JavaScript for creating responsive, user-friendly interfaces. Experienced in Agile SCRUM teams, using Git, Jira, and CI/CD pipelines.

- Object-Oriented Programming (OOP) • SOLID • RESTful API Design • Relational and NoSQL Data Modeling
- Version Control & Git Workflow • Continuous Integration / Continuous Delivery (CI/CD) • Secure Coding Practices

Languages: JavaScript, TypeScript, Java

Web: React, Redux, Tailwind CSS, Material-UI, Styled-components, Sass, Vite, Jest, Storybook

Web Services: REST, GraphQL, JSON

Web/App Servers: Tomcat, Node.js

Frameworks: Next.js, Express.js, Spring Boot, Electron

Databases: PostgreSQL, MongoDB, MySQL

Design Patterns: Model-View-Controller (MVC), Observer

SDLC: Agile, Scrum

Tools: Swagger, Postman, Git, Chart.js, Intro.js

Platforms: Windows

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

SNAP TRADING AND INDUSTRY, Addis Ababa, Ethiopia • 02/2023 – 10/2024

Snap Trading and Industry is a leading wholesale and exporter in Ethiopia.

Senior Software Engineer

- Spearheaded the development of an administrative panel for a logistics management system using React (Hooks, Redux, Axios), Spring Boot, and PostgreSQL, which improved operational oversight and reduced manual reporting efforts by 30%.
- Designed and implemented responsive and user-friendly UIs with React.js, React Router, and styled-components, enhancing admin productivity and reducing user onboarding time by 40%.
- Developed and integrated RESTful APIs using Spring Boot, Hibernate, and MongoDB, enabling real-time data sync between frontend and backend, which cut system response latency by 50ms.
- Implemented JWT-based authentication and role-based authorization using Spring Security and React Context, securing sensitive modules and eliminating unauthorized access incidents.

Technologies Used: TypeScript, Java, React, Spring Boot, Hibernate, Electron, PostgreSQL, MongoDB, Git.

MILER LLC, Overland Park, USA (Remote) • 06/2021 – 01/2023

A cloud-based transportation management system (TMS) that enables you to track and manage your fleet of trucks on a single dashboard.

Software Engineer

- Implemented responsive and user-friendly interfaces using JavaScript frameworks such as React.js, ensuring seamless user experiences across devices.
- Designed and developed RESTful APIs and backend services using Node.js to support various functionalities within the TMS platform.
- Conducted code reviews and mentored junior developers across multiple full-stack modules of a logistics and inventory management system React.js, and GitHub PR workflows, resulting in fewer production bugs, improved code quality, and accelerated onboarding time by 30%.
- Optimized frontend performance and application scalability for a multi-tenant admin dashboard using React.js (lazy loading, memorization) and PostgreSQL, reducing initial load time by 45% and improving system reliability under high user load.

Technologies Used: JavaScript, React, Node.js, Swagger, Postman, PostgreSQL, Git.

INDEPENDENT CONTRACTOR EXPERIENCE

BEU DELIVERY, Addis Ababa, Ethiopia • 10/2022 – 10/2024

A food delivery company that operates as a platform facilitating the delivery of a wide range of culinary options.

Frontend Developer (Part-time)

- Developed interactive product tours for the onboarding flow of a SaaS analytics dashboard using React.js, Intro.js, and custom modals, which improved feature discoverability and boosted customer adoption by 25%, contributing to a notable increase in subscription revenue.
- Engineered a fully customizable client dashboard module for enterprise users using React.js, Redux, and Chart.js, which allowed dynamic data visualization and reduced support tickets related to data interpretation by 40%.
- Collaborated with UX/UI designers to revamp the checkout and onboarding workflows in a React-based e-commerce platform using Figma mockups, React Router, and form validation libraries, resulting in a 15% increase in user conversion rate and smoother customer journey.
- Designed and deployed multiple cross-browser compatible features, including a drag-and-drop widget editor, real-time notifications panel, and responsive side navigation using React.js, WebSockets, and CSS Grid/Flexbox, enhancing UX across Chrome, Firefox, and Safari while improving retention on web by 18%.

Technologies Used: TypeScript, JavaScript, React, Swagger, Postman, Git, Chart.js, Intro.js.

INTERNSHIP EXPERIENCE

Sila HiTech, Addis Ababa, Ethiopia • 04/2021 – 06/2021

Sila HiTech vision is at the forefront of creating a technologically advanced Ethiopia and Africa. Leading the way for quality Tech solutions to all problems.

Software Engineer / Intern

Build Web Application

- Assisted in the development of a responsive and user-friendly e-commerce web application using React.js for the frontend and Node.js for the backend.
- Collaborated with senior developers to integrate frontend components with backend APIs, ensuring seamless communication and functionality across the application.
- Demonstrated a willingness to learn new technologies and methodologies, actively seeking opportunities to expand knowledge and skills in web development.

Technologies Used: JavaScript, React, Node.js, MySQL.

ACADEMIC PROJECTS

Maharishi International University (2025)

- **Realtor Application:** A full-stack real estate management platform built with React for the frontend, Spring Boot for the backend, and MySQL for data persistence. The application allows users to browse, search, and filter property listings, while registered agents can add, update, and manage listings. Features include authentication, image upload, responsive UI, and efficient API integration for seamless property transactions. Utilized JavaScript, React.js, Spring Boot, MySQL.
 - **E-Shop:** A scalable, serverless e-commerce application built with React and entirely deployed on AWS using best practices. The architecture leverages Lambda, API Gateway, DynamoDB, S3, CloudFront, and Cognito for secure, high-performance operations. Features include user authentication, product browsing, cart management, and CI/CD with CodePipeline. Utilized AWS, Node.js, React.js.
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EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, IA

Key Courses: Algorithms, Cloud Computing, Web Application Architecture, Enterprise Architecture

Bachelor's in Software Engineering

Addis Ababa university, Addis Ababa, Ethiopia (07/2022)