

# Mussie Zeratsion

## Full Stack Developer

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Experienced full-stack software developer with 4+ years delivering scalable web and mobile applications using modern JavaScript frameworks including React Native, Next.js, and Node.js. Successfully implemented secure authentication systems with OAuth and JWT, enhancing user trust and data protection. Entrepreneurial-minded collaborator who partners across teams to support rapid iteration and optimize performance, demonstrated by a 23% improvement in AI model responsiveness and a 20% boost in user retention through UI enhancements.

### Skills

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**Languages:** Javascript · Python · C · TypeScript · Ruby

**Libraries & Frameworks:** JWT · Vite · Vue.JS · Node.js · Stripe · JQuery · Google API · RESTful APIs · Socket.io · AXIOS · AJAX · NextJS · RestAPI · React · Auth0 · Webpack · npm · Express.js · Rails · EJS

**Databases:** GraphQL · ActiveRecord · MySQL · PostgreSQL · SQLite · MongoDB

**Testing:** Mocha/Chai · Cypress · Jest · RSpec

**Styling:** Figma · Responsive Design · Material UI · ERD · CSS · SAAS/LESS · UI/UX best practices · Bootstrap

**Markup & Data Formats:** HTML · JSON · XML

**Version Control:** GitHub · Git

**Operating Systems:** Windows · MacOS · Linux

**AL/ML:** AI-powered applications · AI · ML

**Stacks:** MERN Stack · PERN · MEAN

**Project Management & Tools:** Agile Development · Scrum · Jira · Confluence

**Cloud & Automation Tools:** Azure DevOps · AWS · cloud deployment strategies · CI/CD pipelines · CI/CD

### Projects

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**Fundify** • mortgage-application.vercel.app/

May '25

Fundify is an intelligent, AI-powered solution that automates data extraction, cross-validates with public and private data sources, and performs real-time compliance checks in alignment with institutional and regulatory requirements

- Facilitated bi-weekly sprint planning and retrospectives that improved team collaboration and communication, leading to a 40% decrease in project bottlenecks.
- Developed a scalable web application using Node.js and Express.js, resulting in a 50% reduction in server response time and improving user satisfaction ratings by 30%.

**Parkify** • github.com/patrick-204/parkify • Kijiji of Parking Spaces

Sep '24

Parkify is a full stack, modern marketplace app for parking spaces. Landowners with available parking spaces can list their spot on the app and users who are interested can reach out to book

- Developed and integrated Google Maps APIs, resulting in a 30% increase in user engagement through enhanced location-based features and seamless navigation.

**PasswordKeeper** • A multi-page application (MPA) designed to help organizations securely store and manage their passwords for various online accounts.

- Fostered strong partnerships with cybersecurity experts and IT departments to ensure the application met industry standards for secure password management, enhancing user trust and satisfaction.

- Designed an intuitive user interface that simplifies password management through creative use of visual cues and color coding, improving user experience and reducing the learning curve for new users.
- Deployed independent microservices for encryption, storage, and authentication, ensuring each service could be scaled horizontally to meet increasing user demand while maintaining high availability.
- Implemented advanced encryption techniques that increased password security by 40%, showcasing the ability to adapt to evolving cybersecurity standards and best practices.

**PhotoLabs** • A React-based single-page application (SPA) that allows photos in different contexts.

- Established a quality assurance protocol with cross-browser and device compatibility testing, ensuring a consistent user experience across 5 major browsers and platforms.
- Developed a dynamic photo gallery feature that increased user engagement by 35%, resulting in a 20% rise in daily active users within the first month of launch.

## Experience

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**AI Training Engineer** • Outlier • Toronto, Canada

Apr '25 - Present

- Develop, test, and refine AI training workflows utilizing Node.js and JavaScript to boost model accuracy and responsiveness.
- Created and fine-tuned a dataset comprising 3 diverse prompts, which contributed to an 11% reduction in training time while boosting model performance by 23% in natural language understanding tasks.
- Partner with cross-functional teams to design AI behavior aligned with user needs and business goals.
- Integrated the latest AI and ML tools, improving training process efficiency by 20%.

**Full Stack Developer** • Self-employed / Freelance FullStack • Toronto, ON, Canada

May '24 - Present

- Developed full-stack web applications leveraging Node.js, PERN/MERN/MEAN stack, and modern web technologies.
- Managed end-to-end deployment, debugging, and continuous integration workflows.

**Back End Developer** • SkillHat • Toronto, ON, Canada

Feb '25 - May '25

- Developed backend services using Node.js and Express.js, building RESTful APIs for seamless data communication.
- Implemented Google OAuth for secure and streamlined user authentication.
- Integrated multiple institution APIs to aggregate diverse data sources effectively.
- Leveraged AI-powered data extraction techniques to automate and enhance data processing.
- Managed PostgreSQL databases to guarantee efficient and reliable data storage.
- Collaborated with frontend developers utilizing React and Tailwind CSS for a responsive and user-friendly interface.
- Deployed the full-stack application on Vercel, ensuring smooth continuous integration and deployment.
- Followed Agile development methodologies with active use of Jira for task tracking and Confluence for documentation.
- Conducted testing, debugging, and iterative optimization throughout the development cycle.

**Front End Developer** • Bethsaida Butchery Co • Kampala - Uganda

Apr '22 - Oct '23

- Designed and developed responsive, user-friendly front-end interfaces for the company's sales and e-commerce website, enhancing customer experience and engagement.
- Established dynamic web pages using JavaScript, React, and CSS/HTML5, ensuring cross-browser compatibility and mobile responsiveness.
- Collaborated with backend developers to integrate APIs and optimize data rendering for real-time product updates and order processing.
- Improved website performance by optimizing assets and applying best practices in front-end development.
- Implemented user feedback from 45 sessions into the UI/UX design, achieving a 20% increase in user retention over 3 months.

## Education

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**Lighthouse Labs** | Diploma

Grad Sep '24

Full-Stack Web Development

Relevant coursework: education. Including Full Stack web development, AI/ML Technologies, TDD

**Eritrea Institute of Technology** | Bachelor

Grad Jun '14

Electrical and Electronic Engineering

Relevant coursework: post-secondary degree. Including C programming, MicroControllers/MicroProcessors programming

## Certifications

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**IBM-Introduction to Cloud Development with HTML, CSS & JS**

Sep '22

IBM

**IBM/edX-Cloud Computing Core**

May '21

IBM/edX

**CISCO-Certified Cisco Network Associate (CCNA)**

Jun '20

CISCO

## Links

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**My Portfolio**

[mossdzion.com](https://mossdzion.com)