

Mussie Zeratsion - Full-Stack Engineer

Toronto, Ontario, Canada | musdzion@gmail.com | linkedin.com/in/mussie-zeratsion

Professional Summary

From blinking LEDs to deploying full-stack apps.

I began my tech journey in electrical engineering, then pivoted to software development through hands-on experience with microcontrollers, networks, and modern web stacks. I specialize in building and scaling full-stack applications using Node.js, React, and PostgreSQL-delivering end-to-end features, REST APIs, and AI-enhanced functionality. Backed by experience in cloud deployment, authentication, and API integrations, I bring a system-level mindset to software development.

Technical Skills

Languages & Frameworks: JavaScript, TypeScript, Node.js, React, Express.js, HTML/CSS, Python

Databases: PostgreSQL, MongoDB, MySQL

Tools: Git, REST APIs, GraphQL, Google OAuth, Vercel, Jira, Confluence

Cloud & DevOps: AWS (basic), CI/CD workflows, Vercel

AI & Data Handling: Prompt engineering, AI data extraction, integration of third-party/institution APIs

Experience

Outlier - AI Training Engineer (Apr 2025 - Present, Remote)

- Engineered AI prompts using Node.js and JavaScript to refine language model behavior.
- Analyzed model outputs and applied prompt engineering to optimize response quality.
- Contributed to AI workflows, aligned with user intent and system accuracy.

Freelance - Full-Stack Developer (May 2024 - Present, Toronto)

- Delivered full-stack applications using MERN/PERN stacks.
- Built and consumed RESTful APIs; optimized UI for performance and accessibility.
- Handled deployment pipelines, testing, and integration of third-party services.

SkillHat - Back-End Developer (Capstone) (Feb 2025 - May 2025, Toronto)

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- Built and deployed a full-stack app on Vercel with Node.js, Express, and PostgreSQL.
- Integrated Google OAuth and institutional APIs for secure, dynamic data access.
- Implemented AI-powered data extraction and automation features.
- Practiced Agile development using Jira and Confluence.

Bethesda Company - Frontend Developer (Apr 2022 - Oct 2023, Remote)

- Developed dynamic UIs with React and integrated APIs for an e-commerce platform.
- Boosted performance and mobile responsiveness via optimized asset handling.

Education

Lighthouse Labs - Diploma, Full-Stack Web Development (Feb 2024 - Sep 2024)

Eritrea Institute of Technology - Bachelor-s in Electrical & Electronics Engineering (2008 - 2014)

Languages

English (Full Professional), Tigrinya (Native), Amharic, Arabic (Basic)