Job Roloff

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Full-Stack Software Engineer. Expertise in building end-to-end product features using **TypeScript (React/Next.js), Python** and **Typescript**. Proven experience integrating **AI models (LLMs)** into production-ready web interfaces and optimizing application performance.

PROFESSIONAL EXPERIENCE

Mind Arch Health September 2024 - January 2025

- Built high-performance UI features using React Server Components (Next.js), reducing load times
- Refactored legacy codebase into TypeScript, ensuring type safety and code scalability

Canvas Credit Union May 2024 - August 2025

- Engineered scalable REST API to process thousands of user reviews, using server side validation to ensure data integrity
- Collaborated with senior engineers to translate requirements into deployed features

Greendale Trail Association July 2023 - April 2024

- Designed and deployed a responsive, user-centric website using modern CSS and CI/CD pipelines

RELEVANT COURSEWORK

CS455 - Distributed Systems (Java):

- Ranked **5/70** for multithreaded matrix multiplication performance

JTC301 - C++ Fundamentals:

- Used object oriented design principles to efficiently implement a text based game

TECHNICAL SKILLS: Languages: Typescript, Java, C++, Python, SQL; **Frameworks:** Next.js, Eleventy, Hadoop, Spark; **Tools:** Docker, Git, CI/CD (Vercel), Linux

PROJECTS

Resume Chatbot *(August 2025)*

- Built a Next.js application that integrates LLMs (Deepseek) via a RAG architecture to answer natural queries
- Implemented a Vector Database to store and retrieve unstructured data, bridging the gap between static documents and interactive AI.

YT Video Aggregate MCP Server *(July 2025)*

- Developed a backend service using Python and Docker to ingest and analyze video content via the YouTube API
- Processed data streams to identify content urgency, simulating intelligent decision-making logic

Weather Station & Rover *(Ongoing)*

- Created a distributed IoT network of ESP32 devices and a raspberry pi 4B over TCP
- Implemented manual rover control via Telnet and integrated DHT-22 and TSL2591 sensors