Nickolas Tetzlaff

Software Developer

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Projects

Weave   *Founder & Full-Stack Developer*

Launching Spring 2026   Calgary AB, Canada

Stack: React Native, Node.js, Supabase (PostgreSQL), Python, Cloudflare, OAuth

- Built a full-stack mobile application for discovering local events and community building, featuring interactive feeds and map-based exploration.
- Developed a relational database with triggers, RLS policies, analytics tables, and performance-optimized queries.
- Engineered a pipeline to extract event data from multiple sources, deduplicate previously ingested events, normalize schemas, and automatically load data into the database on a scheduled basis.
- Pursued strategic partnerships and funding opportunities to drive user acquisition and early platform growth.

Markov Switching Model   Calgary AB, Canada

Stack: Next.js, Node.js, Python, MongoDB, OpenAI

- Built an interactive analytics tool that allows users to select a stock and time-period, retrieve historical price data, and evaluate it using a Markov regime-switching analysis model.
- Integrated an AI-powered interpretation layer to translate the model's output into clear, user-friendly insights.

Work Experience

Web Developer   *Full-Stack Developer*

Dec 2025 - Present   Calgary AB, Canada

- Consulted with local businesses to gather functional requirements, define project scope, establish budgets, and deliver solutions within technical and financial constraints.
- Designed and built responsive, user-focused websites aligned with both business objectives and customer usability needs.

Education

Southern Alberta Institute of Technology (SAIT) | Diploma in Software Development   2025-2026

Canadian Securities Institute | Canadian Securities Course   2023

Skills

Python (Pandas, ML, Maplotlib, Playwright, Scikit-learn, NumPy), **JavaScript** (Node.js, React, Next.js, React Native), **SQL** (PostgreSQL, MySQL, PL/SQL), **HTML, CSS, Java, Git, Supabase, CloudFlare, Tailwind CSS**

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