

Taylor Mitchell

Software Engineer

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Experience

Senior Web Developer - Ideaflow Toronto ON, August 2022 - Present

- Led successful Product Hunt launch (highest voted product of day), including scaling infrastructure and rapidly delivering a mobile version of our web app with minimal codebase changes in a tight timeframe.
- Ran technical interviews and hiring, created onboarding documentation and mentorship program to quickly ramp up new engineers and grow the engineering team.
- Shaped product design and created technical specifications alongside CEO and design lead, balancing user needs with engineering constraints
- Built Notion-like document editor with rich text editing, backed by client-side data store supporting real-time sync and optimistic updates with conflict resolution
- Improved development process by implementing engineering best practices: automated testing, PR checklists, error reporting, analytics, and AWS monitoring.

Data Engineer - IBM Consulting Toronto ON, February 2019 - December 2021

- Designed and implemented REST API backend for crisis evacuation web application, working closely with frontend teams to define clear interfaces. Application has since helped evacuate thousands of families.
- Optimized Python ETL pipeline using vectorized operations and performance profiling, achieving 10x throughput improvement and reducing runtime from days to hours.
- Developed fuzzy matching system processing 30M records using Python and Go, delivering accurate results within strict timeline.
- Led production support for \$1.3M NLP processing solution on AWS, managing client relationships, bug prioritization, and feature development.
- Built ML model serving infrastructure with REST API supporting inference and retraining, as part of \$1.5M manufacturing advisory system.
- Founded and led mentorship program supporting dozens of new data scientists and engineers.

Data Scientist - EMD Serono Toronto ON, April 2018 - February 2019

- Applied data exploration, visualization, and machine learning models to identify the drivers of churn.
- Translated roughly defined business questions and goals into concrete questions to answer with data.

Mechanical Designer - Consultec Ltd Toronto ON, May 2015 - December 2017

- Designed industrial processing plant layouts in close collaboration with engineers, managers, and clients.
- Built internal software to automate tasks and provide custom tools for our 3D modeling software.

Technical Skills

- **Full Stack Web:** TypeScript, React, Node.js, PostgreSQL, REST APIs, Real-time Sync
- **Infrastructure & DevOps:** AWS, CloudWatch, CI/CD, Monitoring, Error Reporting, Automated Testing
- **Data Engineering:** Python (numpy, pandas), Go, ETL, Large-scale Data Processing

Education

- **University of Toronto** - B.S. in Mechanical Engineering and Robotics May 2013

Extra Curricular

- **Gymnastics** - Medalist at Canadian Championships and still do it for fun.
- **Personal productivity tools** - I'm working on a suite of personal tooling including a [cli for my notes](#), a [cli for my todos](#), [kindle exporter](#) and [logging app](#). These are in a mono-repo I call [home](#).