

# Matthew Caminiti

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## SKILLS

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- **Programming Languages**

*Go, Typescript/Javascript, Python, PHP, C, C++, Java, Scala, C#. Learning: Rust*

- **Tools and Frameworks**

*React, React Native, Vue, NodeJs, Git, Gitlab, Docker, SQL, Nginx, Express, Django, Kafka, MongoDB, WebGL, Pytest, JUnit, Redis*

- **Experienced In**

*Full Stack Development, System Design, CI/CD, Distributed Systems, Web Development, Automated Testing, UI/UX, Security, Linux*

## WORK EXPERIENCE

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- **Kable**

*Software Developer*

Remote (March 2024 - Current)

- Developer and designed across the stack of a **novel streaming entertainment platform**.
- **Pioneered development** technologies for cross-platform TV application development with React Native and Typescript
- Contributed to the design and architecture of numerous cloud systems including video processing pipelines, real time chat, and AI gateways.

- **Helcim**

*Fullstack Developer, Technical Lead, Software Development Lead*

Calgary, AB (May 2022 - March 2024)

- Developed and designed wide range of e-commerce applications alongside Design and Product teams through full product lifecycle.
- Developed core payment processing tool now responsible for **greater than 60% of payment GPV** (gross processing volume).
- **Lead design and development** of a new, highly flexible products and services offering to be released as premium product.
- Mentored junior developers and **organized cross-team mentorship initiatives** focused on technical and design skill sharing.
- **Reduced incident rate of core platform by 70%** over 6 months, and **10x'd core platform latency**.
- Contributed to operations through expanding CI/CD usages and improving automated testing pipelines.

- **IHS Markit (now a part of S&P Global)**

*Software Developer*

Calgary, AB (*Intern.* May - Sept 2019, *FT* May 2020 - Oct 2021)

- Developed and maintained a **large scale distributed system** to process and supervise concurrent and custom financial simulations.
- Migrated existing infrastructure to **new cloud-based solution leading to an attraction of 20+ clients**.
- Collaborated with external teams to turn legacy software into modern libraries to enable smaller scale projects.
- Created a modular and **automated data processing tool** for internal teams to entirely eliminate workflows and responsibilities.

- **McGill University**

*Research Assistant - MSR Challenge 2019*

Montreal, QC (Sept 2018 - Sept 2019)

- The Mining Software Repositories field seeks to analyze data available in software repositories to uncover interesting and actionable information. The 2019 challenge involved a comprehensive StackOverflow dataset with an associated GitHub dataset.
- Performed large scale statistical analysis and data processing through a managed server, using **NLP techniques** to reach conclusions.

## PERSONAL PROJECTS

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*My [personal portfolio](#) has a better collection of my projects, I would highly recommend checking it out!*

- **spenny**

*React Native, React, Redux, Expo, NodeJs, Express, Nginx, SQL, MongoDB*

(July 2021 - Jan 2022)

- Created a **cross-platform mobile application** to perform **comparative budgeting** with a highly customizable UI.
- Developed an SSL-encrypted server using authorization server/content server architecture running off a personal device.
- Included **household spending heuristics** derived from Canada's financial reporting from 2019 to account for misses on user queries.

- **stair**

*React Native, React, SQLite, Expo*

(Dec 2022 - Jan 2023)

- Created a **cross-platform mobile application** to perform **randomized workout generation** with a highly customizable UI.
- Added functionality to store exercises, workouts and import/export workouts from friends.

- **Voichess**

*React, Socket.io, NodeJs, Express, Nginx*

(Mar - Apr 2022)

- Created a **voice-controlled multiplayer chess website** built with **real-time communication** and a REST API.
- Designed a self-hosted SSL-encrypted webserver using up-to-date security practices.
- Created a **full testing suite** for real time communication with Jest and Socket.io.

## EDUCATION

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- **McGill University**

*B. Eng in Software Engineering*

Montreal, QC, CA

(2015 - 2020)