

## RELEVANT EXPERIENCE

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### Wealthsimple

*Senior Software Engineer*

Toronto, ON

*Apr 2021 - Current*

Worked in the Client Domain on investment account opening

- Developed a Node.js/TypeScript platform for building new account opening experiences
- Worked on Ruby on Rails microservices
- Established technical north star for the Client Domain

*Engineering Manager*

*Apr 2019 - Apr 2021*

Led teams in the Wealthsimple For Advisors Domain and the Client Domain

- Simultaneously led a full stack team of 5 engineers and a process automation team of 3 engineers
- Contributed to launching a new line of business regulated under the Mutual Fund Dealers Association of Canada
- Led a cross-functional team of 7 engineers working on onboarding and marketing
- Assisted in hiring for the Wealthsimple For Advisors and Clients Domains

*Engineering Team Lead*

*Dec 2018 - Apr 2019*

Led a full stack team of 4 engineers in the Wealthsimple For Advisors organization

- Developed new mutual fund process automation in PL/SQL and Java
- Assisted in hiring for the Wealthsimple For Advisors Domain

*Software Engineer*

*Mar 2017 - Dec 2018*

Worked on the brokerage platform with a primary focus on trading processes, new investment products, RESP account support, and mutual funds

- Optimized two mission critical PL/SQL procedures to achieve a 120x speed-up in one procedure and a 7x speed-up in the other
- Developed a mutual fund order execution system in Java to enable a high interest savings account product
- Developed a new process for posting trades, saving approximately 4 person-hours per day and eliminating human error
- Worked on Ruby on Rails microservices

### Index Exchange

*Software Engineer*

Toronto, ON

*Feb 2016 - Mar 2017*

Regular tasks included performing maintenance on production servers, planning security updates, investigating production issues, working on continuous delivery/integration initiatives and building automation tools for deployment and integrations.

- Developed and deployed browser-based self-testing application for integrating new partners
- Installed, configured, and maintained company's platform on over a thousand production machines, roughly 50% of the production fleet at the time
- Worked on projects including developing a new monitoring tool and building an integration for a new partner
- Used Ansible and Docker to deploy new internal services
- Used Vagrant for testing internal deployments and server configurations

## EDUCATION

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### University of Saskatchewan

Saskatoon, SK

Major Average: 91%

*Completed 46 major credit units towards B.Sc. Computer Science*

*2014 - 2015*

### McGill University

Montreal, QC

CGPA: 3.50

*Completed 45 credits towards M.Sc. Biochemistry*

*2010-2013*

### University of Saskatchewan

Saskatoon, SK

High Honours, Cumulative Average: 86%

*B.Sc. Honours - Biochemistry & Microbiology*

*2006-2010*

## TECHNICAL STRENGTHS

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**Languages:** Ruby, Java, TypeScript, JavaScript, Node.js, SQL

**Frameworks:** Rails, koa, RESTEasy, React

**Databases:** PostgreSQL, Oracle DB, MySQL

**DevOps Tools:** Amazon Web Services (AWS), Ansible, Docker, Vagrant, CircleCI, Github Actions

## AWARDS

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**Graduate Excellence Fellowship**

*2011*

**Groupe de Recherche Ax sur la Structure des Protine Recruitment Award**

*2010*

**Provosts Graduate Fellowship**

*2010*

**NSERC PGS - Masters Scholarship**

*2010*

**College of Medicine Undergraduate Summer Research Scholarship**

*2009*

**Good Spirit REDA Centennial University Scholarship**

*2007*

**University of Saskatchewan Guaranteed Entrance Award**

*2006*