

RELEVANT EXPERIENCE

Wealthsimple

Senior Software Engineer

Toronto, ON

Apr 2021 - May 2023

Worked in the Client Domain on investment account opening

- Developed an API for extending core account types with features
- 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
- Developed a new monitoring tool and 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

University of Saskatchewan	Saskatoon, SK
Major Average: 91%	
<i>Completed 46 major credit units towards B.Sc. Computer Science</i>	<i>2014 - 2015</i>
McGill University	Montreal, QC
CGPA: 3.50	
<i>Completed 45 credits towards M.Sc. Biochemistry</i>	<i>2010-2013</i>
University of Saskatchewan	Saskatoon, SK
High Honours, Cumulative Average: 86%	
<i>B.Sc. Honours - Biochemistry & Microbiology</i>	<i>2006-2010</i>

TECHNICAL STRENGTHS

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

Graduate Excellence Fellowship	<i>2011</i>
Groupe de Recherche Ax sur la Structure des Protine Recruitment Award	<i>2010</i>
Provosts Graduate Fellowship	<i>2010</i>
NSERC PGS - Masters Scholarship	<i>2010</i>
College of Medicine Undergraduate Summer Research Scholarship	<i>2009</i>
Good Spirit REDA Centennial University Scholarship	<i>2007</i>
University of Saskatchewan Guaranteed Entrance Award	<i>2006</i>