

EDUCATION

- **University of Toronto** Toronto, ON
Computer Science; Honours Bachelor of Science Sep 2017 – Apr 2023
 - Specialization: Computer Science, Other: Mathematics, Statistics, Physics, Astronomy
 - Awards: Entrance Scholarship, Dean's List candidate

EXPERIENCE

- **Flipp Corporation** Toronto, ON
Software Engineer I, Content Layer May 2023 - Current
 - Full Stack Software Engineer specializing in microservices architecture using Ruby on Rails, Kafka, REST API, Kubernetes, AWS, and MySQL.
 - Led and designed a user interface project to improve data management and maintainability in the content ingestion layer. Expertly divided the project into manageable chunks and orchestrated a dynamic team to execute tasks efficiently.
 - Pioneered the creation of a scalable EKS API service, enabling real-time push updates for retailers to effortlessly manage their content on Flipp's platform.
 - Conducted a thorough analysis and devised a strategic plan to enhance our existing Kafka infrastructure, resulting in a remarkable 50-fold improvement in Kafka publishing efficiency.
- **Facebook** San Francisco Bay Area, CA
Systems Engineer Intern, Client Platform Engineering Jun 2022 - Aug 2022
 - Created a robust pipeline using Hack and Intune to track policy installation metrics across a 40,000-device Windows fleet.
 - Provided invaluable insights into Intune policy installation times and enhanced the overall health of the MDM solution.
 - Empowered both the team and stakeholders with critical data for informed decision-making.
 - Pioneered a pipeline integrated with source control to streamline the management of scripts, policies, applications, and configurations.
 - Filled a crucial gap in Intune by establishing ownership tracking for scripts, policies, and configurations.
 - Contributed to the overall improvement of Intune's efficiency and maintainability.
- **Flipp Corporation** Toronto, ON
Associate Software Engineer, Content Collection Team May 2021 - Apr 2022
 - Enhanced content filtering mechanisms within content collection systems to more easily target content from specific cities and provinces/states, enhancing data relevance.
 - Earned the esteemed CEO's Choice Award for developing a Chrome extension that effortlessly collected product data while users explored various websites, showcasing exceptional innovation.
 - Enhanced product labeling capabilities with Google Product Categories, resulting in more accurate product identification for downstream services and an enriched end-user experience.
 - Took charge of and sustained newly implemented data collection systems, successfully generating content pivotal for Flipp Brand Partnership Campaigns, resulting in a substantial revenue of \$1 million.
 - Implemented memory optimization changes within Ruby microservices, resulting in cost reductions and fewer Datadog alerts, improving operational efficiency.
 - Facilitated the seamless onboarding of new retailers onto data collection systems, contributing to content generation for Flipp Ad Campaigns, further expanding the platform's reach and impact.
 - Expertly navigated a diverse array of RESTful and GraphQL API endpoints across different retailers, optimizing data collection processes while evading bot detection, ensuring data integrity and reliability.

- Leveraged Apache Kafka, MySQL, and Redis to streamline data flow to downstream services, facilitating smoother data processing and enhancing system performance.
- Collaborated closely with stakeholders and cross-functional teams to continuously enhance and upgrade data collection systems.
- Revamped new hire onboarding processes and reduced daily manual developer tasks by crafting and maintaining comprehensive developer documentation, fostering productivity and efficiency.
- Contributed to the development of feature-rich microservices using Ruby on Rails, JS, HTML, and CSS, showcasing proficiency in microservices architecture and frameworks.

- **SOTI Inc.**

Mississauga, ON

Software Engineer, Android Team

Sep 2019 - Jun 2020

- Led an effort to improve the security of our services by migrating off of old dependencies
- Developed features in Java via test-driven development for different versions of Android
- Refactored legacy code base to improve maintainability and code smells within client-facing application

- **University of Toronto**

Toronto, ON

Teaching Assistant

Jan 2021 - Apr 2021

- **CSC209:** Software Tools and Systems Programming
- Software techniques in a Unix-style environment, using scripting languages and the machine-oriented programming language, C. Core topics: creating and using software tools, pipes and filters, file processing, shell programming, processes, system calls, signals, basic network programming.
- Held weekly lectures to explain key concepts and answer student questions
- Assisted professors in facilitating their lectures by monitoring/responding to the chat

SKILLS

- **Languages:** Ruby on Rails, Python, Java, JavaScript, TypeScript, C, C++, C#, Hack, PHP, Dart, Go, HTML, CSS, SQL
- **Technologies:** Git & Github, Docker, Kubernetes, Amazon Web Services (AWS), CircleCI, Chef, Intune, Github Actions, Jenkins, MySQL, MongoDB, PostgreSQL, NoSQL
- **Frameworks:** React, Express, Next, Angular, Node, Flutter, Ruby on Rails, Flask, Django