

Languages and Tools

- Java 11 (Spring 4+, Apache FreeMarker, Apache Velocity)
- JavaScript (React, Redux, AngularJS)
- Ruby (Ruby on Rails 4)
- **Data Management:** Spring Data, PostgreSQL, Apache Kafka, HAPI FHIR
- **Build/Infrastructure:** Git, Jenkins (Groovy), Docker, Kubernetes (Helm), GCS, Gradle, Maven
- **Testing:** TDD, JUnit 4+, Jest, Enzyme, Minitest, RSpec, Capybara

Technical Experience

Software Developer (eHealth Innovation @ UHN)

Jun 2020–present
Toronto, ON

- Acted as Lead Server Developer for Medly, a **Class II medical device**, following the **ISO 13485:2016** standard
- Onboarded in under a month, quickly eliminating several critical bugs blocking the launch of **Connect1d Canada**, a diabetes research study platform
- Integrated multiple products with **HAPI FHIR** to store and handle health data
- Built entire **Dexi dashboard** in **React/Redux** for researchers to track study participants
- Maintained **Spring** and **AngularJS** codebases for **ICanCope** and **Medly**
- Performed **Postgres** migrations on all Medly environments, including production database server
- Upgraded functionality to support monitoring **multiple chronic conditions** in Medly

Software Developer (Think Research)

Jun 2018–Apr 2020
Toronto, ON

- Separated complex monolithic **Spring** workflow into microservices, as part of an ongoing effort to improve modularity and configurability
- Co-designed and built a **Spring** processor to reduce FHIR message size by **extracting file attachments** and uploading them to **Google Cloud Storage**, greatly increasing message reliability
- Collaborated with client development teams to integrate their third-party systems with **Hubly**, an eReferral message broker
- Created library of FHIR resources using **FreeMarker** to increase configurability and scalability of message translations
- Revamped **React** user interface and made various improvements to **Rails** backend for form creation tool, making navigation and common operations more efficient
- Investigated alternative methods of generating PDFs for an urgent file size limitation bug
- Co-developed core API endpoints in **Rails** backend and **React** user interface components for initial **ProgressNotes** launch

Co-op Placements

2014-2017

- **Engineering Co-op** at *Compass* (New York, NY)
- **Engineering Co-op Student** at *Think Research* (Toronto, ON)
- **Software Development Engineer, Co-op** at *Telogis* (Toronto, ON)
- **Research Assistant** at *University of Waterloo* (Waterloo, ON)
- **Web Developer** at *Public Works and Government Services Canada* (Toronto, ON)

Education

Bachelor of Computer Science, Honours, Co-op

Jun 2018

with a Certificate in German Language (*University of Waterloo*)

Interests

street dance (breaking/breakdance, house, hip hop), classical piano, photography, drawing