

Jason Hu

☎ (416) 909-3633
✉ jason.h.7249@gmail.com

[in /hujson1](#)
[/HulsJason](#)
🌐 Portfolio

🎓 Education

University of Toronto

Candidate, Honours Bachelor of Science

> Specializing in the **Entrepreneurship Stream** of **Computer Science Co-op** major

Sep 2018 – Present

Toronto, ON, Canada

💻 Experience

Systems Software Development Student

BlackBerry – **BlackBerry Gateway** team

May 2021 – Aug 2021

Waterloo, ON, Canada

- > Implementing features in core **Node.js** services through **test-driven development** with **Mocha**
- > Modularizing common functionality across several **Node.js** services into **TypeScript** Node.js packages

Software Developer

OpenText – **Developer Experience** team

Jan 2020 – Aug 2020

Richmond Hill, ON, Canada

- > Created a document management app to demonstrate OpenText's cloud content management APIs and services, using **React**, **TypeScript**, **Redux**, **Material-UI**, and **React Router**
- > Reduced document CRUD operation time by implementing a centralized document tree state structure in **Redux** to manage global application state
- > Created a **Python Tornado** dashboard to display unit test results, using **D3.js** and **Bootstrap**
- > Configured automated testing **Python script** to accommodate Windows VMs, using **PowerShell** and **Paramiko**

⚙️ Skills

Languages JavaScript, TypeScript, Java, Python, HTML, CSS, C

Libraries/frameworks React, Express, Redux, Spring Boot, JUnit, Mocha

Tools/technologies Node.js, Git, MongoDB, Redis, Neo4j, GitHub, Jira

Methodologies REST APIs, microservices, NoSQL, Agile Scrum, unit testing, TDD

🏠 Projects

Real Estate Agent CRM web app

- > A customer relationship management web app for real estate agents to manage multiple clients' properties and projects, built with **React**, **TypeScript**, **Node.js**, **Express**, and **MongoDB**
- > Implemented full stack authentication flow from **React** login/signup pages to backend authentication, using **bcrypt**, **express-session**, **Mongoose**, and **Express middleware**
- > Designed app-wide state management for client session data, using **React Context API** and **TypeScript**

Planit – Trip advisor mobile app

- > A full stack mobile app that generates vacation itineraries, built with **React Native**, **Redux**, **Java Spring Boot**, **MongoDB**, and **Google Maps API**
- > Implemented itinerary manipulation such as adding and deleting specific events from the itinerary while shifting existing ones, as one of the main features
- > Created **CRUD REST API** endpoints on **Java Spring Boot** backend for itinerary filters

Spotify-lite – Backend microservices

- > A backend for a music player service composed of two **REST API microservices**, built with **Java Spring Boot**
- > Stored user info in a **MongoDB collection** and playlists in a **Neo4j graph** respectively
- > Wrote **Cypher graph queries** for nodes up to three relationship depths away