

Bill Li

bill-l1.github.io

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Skills

Front-end: React, React Native, React Native Web, Redux, Expo, Vue.js

Other web technologies: Laravel, Express, Node.js, Flask, Firebase, Docker, MongoDB, PHP

General: HTML/CSS, JavaScript, TypeScript, Python, C++, Java, MySQL, Git, Linux, Bash

Experience

Jan–Present **Co-Founder**, *The Waiting Room (Startup)*, Toronto, ON

- Directed and assisted a team of 5 to make *Resonance*, a music sharing app for Web, iOS and Android.
- Built core features for the **React Native Web/Expo** mobile client, using **Redux** for state management.
- Created architecture for Spotify authentication in the API, built with **Express (Node)** and **MongoDB**.
- Developed entirely in **TypeScript** with **ES6** standards.
- Performed Scrum meetings and weekly code reviews for fellow engineers.
- Received **67 sign-ups** for the MVP.

Jan–Apr 2021 **Full-stack Engineer**, *Zamplo*, Calgary, AB (remote)

- Built ZamploAdmin, a provisioning and research tool made in **React Native Web and Redux**.
- Built web app to integrate Zamplo's API with Hubspot, created in **Flask** (Python).
- Deployed **Docker** images to **Amazon (AWS) ECS** for development.

May–Aug 2020 **Full-stack Developer**, *eleven-x*, Waterloo, ON

- Expanded features and performed automated unit testing for eleven-x's **Laravel** web app (PHP).
- Improved on internal microservices with **Laravel and Vue.js**. Developed **bash** scripts for monitoring.
- Mapped 10+ parking floor plans in MapTiler for the City of Calgary, designed in Inkscape.
- Built LoRaWAN decoders in JS for several IoT devices currently serving UBC.

Jul–Aug 2019 **Sales Agent**, *CIK Telecom*, Markham, ON

- Setting up booths in condos/apartment buildings to sell Internet plans to residents.
- Handled sales, promotional material and 1-on-1 customer service.
- Made **5 in-person sales/week** on average.

Projects

Back-end **Hawkshot**

- Social web service submitted for Riot's LoR API Challenge, letting users teach others how to play.
- Built **REST API** with **Flask (Python)** using Google **Firebase** for authentication and storage.

github.com/bill-l1/hawkshot

Full-stack **Notescribe**

- Website built in **Bootstrap** for collaborative note-taking, automatically translating lecture audio data for transcription using Google Cloud Speech-to-Text API.
- Server built with **Flask & Celery (Python)** using Google **Firebase** for authentication and storage.

github.com/bill-l1/notescribe

Education

2019–Present **Undergraduate**, *University of Waterloo, Computer Science*

Relevant courses: CS135 Designing Functional Programs, CS136 Elementary Algorithm Design, CS246 Object-Oriented Development, CS240 Data Structures & Data Management, CS241 Foundations of Sequential Programs, CS251 Computer Organization & Design, BET300 Foundations of Venture Creation