



# Chak Chik

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## WORK EXPERIENCE

### Freelance Web Developer

Jan. 2022 – Present

*Self-employed*

*Vancouver, British Columbia*

- Built a fully responsive modern website for Vancouver Character Consulting with **React.js** and **TypeScript**.
- Constructed a website for BC Children's Hospital for hosting researches' results with **R Shiny**.

### Full Stack Developer

Jun. 2021 – Sep. 2021

*KM.ON (Karl Mayer)*

*Vancouver, British Columbia (Remote)*

- Developed performance critical **REST APIs** and **endpoints** for enterprise level web apps with **Scala Play**.
- Constructed the company's **identity access management** tool(K.IAM)'s login page with **Auth0** authentication APIs. Utilized React Redux for **JWT authentication** to protect **10000+** factory owners' data security.
- Utilized **Hibernate** to develop interactive usages of the **PostgreSQL** database. Developed **CSV validation functions** on the backend to ensure customer data integrity.
- Created a scalable **React.js** boilerplate application from scratch, now used by engineering teams in 3 countries.
- Contributed **React.js** components to KM.ON's UI library, used in all KM.ON's projects.

## TECHNICAL PROJECTS

### Trip Planner | *React, Spring Boot, MySQL*

- **2nd place in McGill Code.Jam(XI)**, the largest annual hackathon at McGill University.
- This project was purchased by the hackathon's sponsor 123Loadboard for commercial use.
- Web app that helps delivery drivers to choose the most profitable order to take, based on their location and time.
- Developed **REST APIs** with **Java Spring Boot**.
- Designed a **dynamic programming algorithm** to calculate the optimal result from **50000+** real data entries.

### Hasty | *MERN Stack(React & Node.js), D3.js, Heroku, Netlify*

- Job search **data analytics** web app built with **React** and **Node.js**.
- Visualized and analyzed the user's job search data with the help of **D3.js** on the **React** dashboard.
- Developed **REST APIs** and the **web service** with **Node.js** and **Express**.
- Utilized **Mongoose** to develop interactive usages of the **MongoDB** database.
- Set up **automated deployment** by connecting **Heroku** and the backend's GitHub repository.

### COVID Tracker | *PHP, Oracle*

- Web app built with **PHP**. Handled **HTTP requests** and the user's input.
- Organized relations between patients, their contacts, vaccine records and test results with queries using **Oracle**.

## EDUCATION

### University of British Columbia

Sep. 2021 – May. 2024

*BSc in Computer Science(Co-op)*

*Vancouver, British Columbia*

- Computer networking, Relational databases, Machine learning

### McGill University

Sep. 2019 – Sep. 2021

*BSc in Honours Computer Science, cGPA: 3.94/4.0*

*Montreal, Quebec*

- Faculty of Engineering Scholarship, McGill University, 2019 (**Top 10%**)
- Faculty of Engineering Dean's Honour List, McGill University, 2019
- Women Associates of McGill Scholarship (Sponsored by the Women Associates of McGill), 2019

## TECHNICAL SKILLS

**Languages:** Java, Scala, JavaScript, PHP, Python, HTML/CSS, SQL, C, Bash

**Frameworks/Tools:** Play(Scala), Spring Boot(Java), Node.js, GraphQL, MongoDB, PostgreSQL, MySQL, React.js, Heroku, Netlify, Docker, Kubernetes, Figma, JUnit