



Chak Chik

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EXPERIENCE

Full Stack Developer

Jun. 2021 – Sep. 2021

KM.ON by Karl Mayer

Hong Kong & Vancouver, British Columbia

- Implemented performance critical RESTful APIs and deployed endpoints for enterprise level web applications with Scala Play.
- Queries and access with Scala's Slick library to PostgreSQL database. Implemented CSV validation on the backend and ensured customer data integrity.
- Created a highly scalable boilerplate application with React.js under supervision, which is now used by KM.ON's engineering teams in Hong Kong, Germany, and India.
- Frontend UI/UX design with Figma. Implemented new reusable components to the company's UI library with React.js, which are now used in all company projects.
- Implemented extensive unit tests and test suites on the backend with ScalaTest. A 90%+ test coverage was achieved.
- Automated Jira release note generation and delivery to clients.

EDUCATION

University of British Columbia

Vancouver, British Columbia

BSc in Computer Science (transferred from McGill University)

Sep. 2021 – Sep. 2024

McGill University

Montreal, Quebec

BSc in Honours Computer Science, cGPA: 3.94/4.0

Sep. 2019 – Sep 2021

Relevant coursework

- Internet Computing, Relational Databases, Machine Learning

PROJECTS

Hasty | *MERN(React & Node.js), D3.js, Google OAuth*

- * Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- * Implemented GitHub OAuth to get data from user's repositories
- * Visualized GitHub data to show collaboration
- * Used Celery and Redis for asynchronous tasks

COVID tracker | *PHP, Oracle*

- * Constructed a SQL database using Oracle and PHP. Used to store covid information
- * Implemented tables to represent the relations between declarant, covid tests, test results, covid hotspots, clinic
- * Using functional dependencies to minimize the number of relations between tables

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git*

May 2018 – May 2020

- * Developed a Minecraft server plugin to entertain kids during free time for a previous job
- * Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- * Implemented continuous delivery using TravisCI to build the plugin upon new a release
- * Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

TECHNICAL SKILLS

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

Frameworks/Tools: Play(Scala), Spring Boot(Java), Node.js, PostgreSQL, MySQL, React.js, Figma, JUnit, ScalaTest, Docker, Kubernetes, Git