# JERRY CHEN

Full Stack Developer

**Current Location**
Christchurch, New Zealand

## Personal Summary

Full Stack developer with little over one year experience in App, Frontend and Backend development. Equipped with knowledge in various Frameworks, pre-processors and design tools. Experienced with designing, implementing and maintenance of software systems with a good understanding of backend data structures and API's. Proficient in multiple programming languages with attention to detail in programming standards. Able to effectively self-manage during independent projects, as well as collaborate as a part of a productive team.

## Experience

10 / 2020 - present

**Applications Developer**
**CanIT Limited. Christchurch, NZ.**

Worked productively with a small development team and produced Software solutions based on client requirements.

Analytically thought through solutions to further increase the security of Software Systems. While scalling, fixing and maintaining the system.

Collaborated and worked throughout the entire software process, from Data structuring / Backend development to Frontend design / development and deployment.

Produced multiple Web Apps / Apps, connecting Frontend to Backend APIs.

**Projects - CanIT Limited.**

**Backend device logging and tracking system**
Team built project using technology stack: Vue, Vuetify, Flutter, AWS, GraphQL. With real time updates across multiple devices using AWS App Sync. And ability to create users and user pools with different privileges using AWS cognito. Deployed both as a Web App / App. System was built to store over hundreds of user data, with tracking and logging thousands of hardware devices and device information. The System also included tracking of hardware stock availability. I was involved both in production of the Frontend Web App aswell as planning of the backend API data structuring + backend AWS lambda functions and resolvers.

**Automated SMS System**
Individually built an automated SMS sending system used by multiple software services in the company. This system was built using a Raspberry PI with AT commands being sent to a connected 4G HAT using a backend Python Flask server. The server automatically runs on device boot to reduce the down time of the system.

**E-commerce**
Collaborated with a team to build multiple e-commerce Web Apps for local companies connecting to payment gateways such as Stripe and Windcave. I was assigned to build the cart section of the e-commerce Web App and connect to the payment gateways.

## Education

**University Of Canterbury, BS, Computer Science**

2017 - 2020

**Courses:** OOP, Compilers, Data Structures, Algorithms, Graph Theory, Networking, Embedded Systems.

**Networking:** Simulated the RIP routing protocol using Python, graph theory and best path Bellman-Ford algorithm.

**Computer Graphics:** Simulated a 3D scene using C++ and OpenGL with three-dimensional object representations, transformations, projections and rendering algorithms.

**Group Programming:** Pair programmed C++ game connecting peripherals to an embedded microcomputer. Pair programmed Java game using Graphics2D.

**Compiler:** Built a compiler with custom syntax using Python.

## Personal Info


**Mobile**
021-062-0879

**Email**
jchen123.862@gmail.com

**Web Portfolio**
https://jellychn.github.io/portfolio2.0/

**Github**
https://github.com/jellychn


## Skills

| | |
|---|---|
| **Programming** | **Data Structures** |
| **Responsiveness** | **API** |
| **Github** | **Linux / Bash** |

## Technical Skills

**Frontend Development**

**ReactJS . Redux . VueJS . Vuetify**
**HTML . CSS . SCSS . Flutter . Figma**

**Backend Development**

**AWS . GraphQL . NodeJS . ExpressJS**
**Flask . SQLite**

## Languages

**JavaScript / TypeScript**

**Python**

**Dart**

**Java**

**SQL**