# TIK-SANG CHUNG (DYLAN)

## Full Stack Developer with strong engineering background

Dynamic and creative engineer with 2+ years of industrial experience with exceptional multi-tasking and technical skills. Experience building full-stack applications using JavaScript, React, MERN Stack and AWS. Seeking to further improve my skills and looking forward to getting an opportunity as a full-stack developer to utilize my competencies and experience to serve the company.

## WORK EXPERIENCE

### Electronic Engineer at Avantec Manufacturing Ltd, Hong Kong

May 2020 — Jun 2022

- Implemented and maintained 2 full stack app for supporting 3+ models wireless HVAC control.
- Built and launched apps in over 45 countries in Google Play and App Store.
- Managed, optimized, and updated more than 100 device's data by using NoSQL.
- Responsible for creating RESTful services and parsing JSON data to & from server for presentation and storage purposes in 2 projects.
- Reduced the costs of device control application maintenance by 50% by developed the application.
- Enhanced HVAC IoT function by 40% to improve and support smart home heating & cooling system.
- Designed and programmed 20+ HVAC & PLC microcontroller projects (MODBUS) using C and Assembly programming language.
- Led in maintaining and validating 10+ components & PCB designs during the production phase of the product lifetime.

## PROJECTS

### HVAC Dashboard (Full stack Web)                    2021

***Allow admin to track and control the HVAC devices***

React.js, MUI, AWS (EC2, Lambda, DynamoDB), REST APIs, JavaScript

- Designed Web Dashboard using React with Material UI.
- Implemented the application with AWS services.
- Developed application with AWS-amplify for making asynchronous HTTP request calls to backend REST endpoints.

### Avan-stats (Full stack App) *IOS / Android*          2021

***Facilitated users with login system for profiles and tracking connected devices wirelessly. Adopt MQTT network for controlling devices***

React Native, REST APIs, AWS EC2, Docker, Node.js, Express.js, MongoDB, Sketch

- Developed the control app using React Native.
- Created and deployed the APP successfully in multi-platform using Xcode and Android Studio.
- Integrated MQTT broker and MERN stack inside Docker and AWS EC2.

## CONTACT

- Toronto, ON, CA
- +1 (647) 321-9287
- dylan.chungtsc@gmail.com
- dylanchung.dev
- github.com/dylan-chung
- linkedin.com/in/tschungDC

## SKILLS

HTML
CSS
JavaScript
React.js
React Native
Node.js
MongoDB
Docker
AWS
Git
C/C++
Assembly Language

## EDUCATION

**2019 | BEng Electrical & Electronic Engineering**
*University of Sussex, UK*