

# Koh Chi Hao

## SOFTWARE ENGINEER

### Professional Experience

#### Singtel SHINE Internship @ NCS

May 2019 – Aug 2019

Software Engineer Intern

- Developed Angular webpages for data aggregation microservice with search and filter functionality for each business intelligence report
- Designed Crystal report templates for client to download reports
- Refactored and updated data aggregation microservice – Wrote producers and consumers for event triggers

#### SGAG/HEPMIL Mobile Game App

May 2018 – Aug 2018

Software Developer Intern

- Developed React Native Live Gameshow app ([Panik](#))
- Used Firebase Realtime DB, Storage, Cloud Functions, Auth
- Researched/Used Ultra Low Latency Live Streaming Technologies – Wowza Streaming Cloud/Streaming Engine, Azure MediaLive

#### Shifttime Technologies

Mar 2015 – May 2015

Android Developer

- Designed and developed the Shifttime Employer Mobile Application prototype, based on PHP/Laravel framework, and was also responsible for both UI and UX, which was crucial in the early stages of manual onboarding users
- Maintained the database of both new users and employers (~ 500 users) who were on-boarded and ensured that the process of onboarding and interaction between the two parties were seamless during the Alpha testing phase

### Software Projects

#### NUS Buses

Dec 2017 - Ongoing

Developer

- Built a React Native app to display real-time bus arrival time
- Backend built with ExpressJS and Firebase Realtime DB
- Growing user base ~700 as of Jan 2019
- Link: <https://goo.gl/Vt79fH>

#### SGMRT\_BOT

July 2017 - Ongoing

Developer

- Built a Telegram Chatbot to avoid taking train during disruption
- Improved passenger travel time and allowed for efficient planning
- Growing user base ~5000 as of Jan 2019
- Link: [https://t.me/sgmrt\\_bot](https://t.me/sgmrt_bot)

### Contact

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[kohchihao.com](http://kohchihao.com)

### Education

#### National University of Singapore

Aug 2017 - Ongoing

Bachelor in Computer Science with Honours

Focused on Software Engineering and Database

CAP: 4.15/5.0

#### Singapore Polytechnic

Feb 2012 – May 2015

Diploma in Computer Engineering  
Specialised in Networking and Security

Diploma with Merit and Silver Redot recipient

GPA: 3.92/4.0

### Technical Skills

Java, NodeJS, React Native

Firebase, ReactJS, Git

PostgreSQL

User experience design

### Achievements

#### Featured on Hype & Stuff website

Telegram MRT Bot: An NSF Created An App So That You Don't Break Down When The MRT Does

Link: <https://goo.gl/oiE18K>

#### Featured on Vulcan Post website

This NSF Built A Telegram Bot To Let Us Know When SMRT Fails Because "Where Got Time?"

Link: <https://goo.gl/4zD6Wx>