

Hello! I'm a software engineer looking to collaborate with others on products and services that will help our larger society.

Before my career switch, I was a Business Analyst with the Ministry of Manpower's Work Pass Integrated System. There, I nurtured a budding interest in agile product development and was trained in scrum and user experience design.

Prior to my time in the public service, I was a business, psychology and communications student with internship experience in the banking and media industries. In my spare time, I run a competitive football club for women and volunteer with the Waterways Watch Society.

Side Projects

kampungcloud.web.app

Collaborated with copywriters and designers on a web application that connects those in need with others who are able to help

Utilised React, React Bootstrap, Firebase Authentication and Hosting, Express, Sequelize/PostgreSQL, Heroku

Launched 13 May 2020

Skills

Frontend development

React, Redux, Bootstrap, Material Design

Backend development

Express, Sequelize/Postgres/MySQL, Firebase

Cloud Infrastructure

CircleCI, Heroku, Firebase Hosting

Mobile

Flutter

Product and Project Management

UX and UI Design, Prototyping

Adobe Illustrator, Adobe Photoshop, Sketch
Invision

Certifications

CS50x - Introduction to Computer Science

Harvard University

Course topics include:

Algorithms and Data Structures
Memory
Computer Networks
SQL Databases

Business Analysis for Agile Practitioners

National University of Singapore

Certified Large Scale Scrum Practitioner

National University of Singapore

Work Experience and Education

Jan 2020 - Apr 2020

Student, Software Engineering Programme

Rocket Academy | Singapore

- > Collaborated with batchmates on **Pitch Booker - a soccer pitch booking web application**
Allows pitch providers to add pitches and players to search for and book available pitches
Integrated Sendgrid's email API to send booking confirmation emails to players
Utilised React, React Bootstrap, Express, Sequelize/PostgreSQL, CircleCI, Heroku
- > Developed **Whatsup - an Android messaging application** that allows users to log in, view, send, and delete messages
Utilised Flutter, Material Design, FlutterFire plugins cloud_firestore and firebase_auth
- > Developed **Instaphoto - a photo upload web application** that allows users to log in, upload, and view own images
Utilised React, Material-UI, Firebase Authentication, Firestore, Cloud Storage, and Firebase Hosting
- > Developed **Lennon Wall - a comment feed** that allows users to log in, view and post comments
Utilised React, Redux, React Bootstrap, Express, Sequelize/PostgreSQL, and Heroku
- > Cloned The Straits Times homepage with React Bootstrap and created portfolio site with vanilla HTML5, CSS, and JavaScript to understand fundamentals of how websites are built

Aug 2019 - Dec 2019

Cadet, Software Engineer Programme

42 Silicon Valley | Fremont, California, USA

- > Recreated C Standard Library functions to establish foundational understanding of pointers, memory allocation, string manipulation, and arithmetic calculations
- > Completed an intensive C bootcamp that assessed students for admittance to full programme
Created a Sudoku solver, a BODMAS calculator, a document parser to retrieve lines in a text file, and a programme that efficiently fits tetris shapes into a grid

Jul 2017 - Jul 2019

Business Analyst, Work Pass Integrated System

Ministry of Manpower | Singapore

Feature lead for:

- > Revamp and migration of key work pass processing functions from legacy system
Saved the Ministry 60 man-hours monthly and eliminated 2-week processing time
Resulted in quicker transactions and reduced anxiety for employers and employment agents
- > Revamp of payment flow and integration with Braintree payment gateway
Streamlined user experience and quickened transactions for 18,000+ payments monthly
Eliminated payment errors from twice a week to none since May 2018
- > Integration with POSB Bank to encourage financial privacy and freedom among domestic helpers
Collaborated with internal and external stakeholders to streamline user experience from application to card delivery
Increased application rate from 22% to 30% within first four months
- > Integration with MyInfo, a national portal that aggregates citizen data, to simplify and quicken form-filling for users

Jul 2015 - Jul 2017

Manager, Foreign Manpower Management Division

Ministry of Manpower | Singapore

- > Collaborated with 1000+ ground-up social groups, dormitory operators and grassroots leaders to improve housing standards and access to prayer spaces for foreign workers
- > Organised inter-agency dialogues and briefings to introduce new legislation to large dormitory operators
- > Involved in contact-tracing of foreign workers suspected to be at risk of Zika virus during outbreak in 2016

Aug 2011 - Jul 2015

Singapore Management University | Bachelor of Business Management

Double Major in Corporate Communications and Psychology

Apr 2008 - Apr 2011

Ngee Ann Polytechnic | Diploma in Mass Communication

Specialisation in Advertising and Public Relations

Distinction in Overseas Internship Programme | Oahu, Hawaii, USA