

Tan De Ning, Klement

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WORK EXPERIENCE

ALTONOMY | FULL STACK SOFTWARE ENGINEERING INTERN

May 2020 - Aug 2020 | Singapore

- Led the implementation of Software Testing and contributed to the front-end and back-end development for a new client's portal project.
- Achieved **97%** test coverage by implementing monkey patching to mock external dependencies and writing unit tests and integration tests.
- Identified choke points in system by implementing load testing with Locust.
- Drive Test - Driven Development by abstracting out low level details, and implementing continuous integration, Git hooks and coverage reports.
- Tech Stack: **FastApi • React • InfluxDB • MySQL • Locust**

XFERS | SOFTWARE ENGINEERING INTERN

May 2019 - Nov 2019 | Singapore and Indonesia - NUS Overseas College

- Volunteered to create an API documentation generator that reduces discrepancies and that decreases client integration time by **50%**.
- Initiated and led the implementation of customized error codes that reduce the time taken to identify bugs by **80%**.
- Links: | [API Documentation](#) | [GITHUB](#) | [BLOG POST](#) |
- Tech Stack: **Ruby on Rails • React • Open API Specification**

DBS BANK | BANK EXECUTIVE

Apr 2018 - Jun 2018 | Singapore

- Identified choke points and developed a new efficient workflow to cope with peak season. Ensured the accurate distribution of dividend and funds up to \$3 billion to DBS Nominees'clients

PROJECTS

SPEECH TO TEXT RESUME BUILDER | DEVELOPER STUDENT CLUB

VANTAGE SG - TECH LEAD

- Led a team of 4 software engineers to develop a speech to text resume that aims to help less educated youths secure jobs that match their talents.
- Tech stack: **Ruby on Rails • React • Docker** | Link: [vantage-sg.com](#)

COVID-19 TRAVEL RESTRICTION GUIDE | TRAVELNOGO

- Helped over 1,000 users to navigate through enormous COVID-19 travel restrictions by scraping and consolidating data from reliable sources.
- Received sponsorship from Digital Ocean and Alibaba Cloud.
- Tech stack: **Ruby on Rails • React • Python** | Link: [travelnogo.com](#)

TYPE-1 DIABETES TECH GUIDE | TYPE1WHO

- Worked with a Type-1 diabetic individual to build an online guide to promote continuous glucose monitoring and latest type-1 diabetes technologies.
- Tech stack: **React • Instagram API • Blogger API** | Link: [type1who.com](#)

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE | DOUBLE DEGREE

PROGRAMME

Aug 2018 | May 2022

BACHELOR OF COMPUTING, COMPUTER SCIENCE

CAP: 4.23

BACHELOR OF SCIENCE, MAJOR IN APPLIED MATHEMATICS

CAP: 4.04

NATIONAL JUNIOR COLLEGE

GCE 'A' LEVEL | 4 DISTINCTIONS

Mar 2014 | Dec 2015

ACHIEVEMENTS

Y-COMBINATOR'S STARTUP SCHOOL

JUL 2019 | OCT 2019

Completed Startup School online course by Y-Combinator. Startup school is a free online course for founders actively pursuing their own startup.

COMPETITIVE PROGRAMMING

2020 Kickstart Round D | 2197th

2020 Hashcode | 7417th 2019

Kickstart Round G | 1020th

2019 Kickstart Round F | 1382nd

SKILLS

TECHNICAL SKILLS

C++ • Ruby on Rails • Java • Python
Web Scrapping • Fast API • React •
MySQL • Docker • Google Cloud
Platform • CircleCI • CI/CD • Locust

SOFT SKILLS

Project Management • Agile •
Leadership