

Tan Wei Chun

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EDUCATION

Monash University

February 2021 - June 2023

Bachelor of Computer Science in Data Science; CGPA 4.00/4.00

Kuala Lumpur, MY

- **Relevant Coursework:** Data Structures & Algorithms, Databases Design, Data Modelling & Analysis, Probability & Statistics

EXPERIENCE

Pay With Split

August 2021 - July 2022

Software Engineer L2 (Full Stack)

Singapore, SG

- Led a team of 3 in design and development of the mobile app's core features on **React Native**, increasing user retention **by 70%**.
- Sped up bi-weekly deployment pipeline **by over 75%** on both App Store and Google Play Store using Fastlane.
- Improved credit assessment engine to allow for better customer conversion on initial impression and implemented e-KYC verification on the app which reduced cases of fraud through the platform.
- Engineered and released major features including secured payment flow, order history, and payment methods management.
- Designed and implemented a simplified e-commerce store and merchant dashboard for order and product management utilizing **ReactJs** and **NestJs**, resulting in **20 new enterprise customers**.
- Managed CI/CD process of containerized app through **Jenkins**, **Ansible** and **AWS**.

Futurelab

November 2020 - February 2021

Software Engineer Intern

Kuala Lumpur, MY

- Revamped platform's front end built on **Ruby on Rails** to **NextJs**, improving user experience and reduced initial time to load **by 90%**.
- Automated business analytics tracking across the platform framework using Ahoy and Sheets API, providing crucial insight used during weekly retrospective.
- Improved internal search filtering algorithm to recommend contents closer to user's interest.
- Automated manual business tasks to increase efficiency using cron jobs.

Alliance Bank Malaysia Berhad

August 2020 - October 2020

Cyber Security Engineer Intern

Kuala Lumpur, MY

- Collaborated with multiple teams to introduce Identity Access Management system into current business process.
- Assisted in producing a detailed Scenario Analysis for SWIFT Payment System in accordance to BNM and RMiT regulations.
- Refactored and consolidated 4 SOPs addressing System IDs Management and User Access Matrix, cutting down the timeframe for the initial workflow **by 75%**.
- Produced Server Hardening Checklists in accordance to CIS benchmark for both Windows and Linux systems.
- Completed annual UAM Review across different systems deployed in production.

PROJECTS

Pipes Analytics | *NextJs, NestJS, Docker, Terraform, AWS*

January 2022 - Present

- Built a custom internal web app used by Monash University's Course Coordinators to determine if students can graduate given the course rules & custom constraints and student's units.
- Optimized parser algorithm to be able to parse student's enrolment information against course rules and output the graduability information.
- Enabled drag and drop rules composer on the front end to allow users to be able to compose and update rules set.