

Tan Wei Chun

+1 (628) 468 2268 | weichuntan1211@gmail.com | [linkedin.com/in/wei-chun/](https://www.linkedin.com/in/wei-chun/) | github.com/weichunnn

SKILLS

Languages: Python, Golang, SQL, Javascript, Typescript

Frameworks: Terraform, Kubeflow, Pyspark, React/Next, Node, Express, FastAPI

Tools: Redshift, Snowflake, Airflow, DBT, Kubernetes, AWS, Spark, Kafka, Lakehouse (Iceberg), DataDog, Airbyte, OpenMetadata, Streamlit

EXPERIENCE

MoneyLion

October 2022 - July 2024

Data Engineer

Kuala Lumpur, MY

- Reduced data pipeline latency from **24 hours to minutes** by spearheading the organization's RnD and implementation of real-time processing architecture based on **Kafka, Debezium, and Iceberg**.
- Researched and implemented the deployment of 800+ pipelines on **Spark** using **Apache Airflow** into **AWS EMR** and subsequently into Kubernetes which **improved runtime by 40%**.
- Engineering lead for designing, evaluating, and implementing the compute service for Lakehouse architecture through services such as OneHouse, Tabular, Starburst, Trino etc.
- Scaled and optimized in-house data tools - **OpenMetadata and Airbyte** - to serve more than 300+ data users on 8000+ tables.
- Migrated **30TB of data** including data pipelines, **DBT** models, and BI dashboard from **Redshift** to **Snowflake**.
- Optimized queries in **Neo4j**, which currently processes over 140k table lineage relationship, leading to a **60% reduction in memory usage**.

Split

August 2021 - July 2022

Software Engineer (Full Stack)

Singapore, SG

- Led a team of 3 in the engineering effort of the mobile app on **React Native**, increasing user retention **by 70%**.
- Contributed to the credit assessment engine to allow for increased customer conversion on initial impressions and **reduced fraud attempts of over \$100K** by introducing e-KYC.
- Designed and released key commerce features including secured payment flow through Stripe API, order history, and payment methods management.
- Developed a simplified e-commerce store and merchant dashboard for order and product management utilizing **ReactJs** and **NestJs**, resulting in **20 new enterprise customers**.
- Sped up bi-weekly deployment pipeline **by over 75%** on both the App Store and Google Play Store using Fastlane.
- 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 load time **by 90%**.
- Automated business analytics tracking across the platform framework using Ahoy and Sheets API, providing crucial insight used during weekly retrospective.
- Contributed to internal search filtering algorithm to recommend contents closer to user's interest.
- Automated manual business tasks to increase efficiency using cron jobs.

EDUCATION

University of San Francisco

July 2024 - June 2025

Masters in Data Science

San Francisco, US

Monash University

February 2021 - June 2023

Bachelor of Computer Science in Data Science; CGPA 4.00/4.00; WAM 90.70

Victoria, AU

- Award:** Overall Best Graduate Award
- Relevant Coursework:** Data Structures & Algorithms, Databases Design, Big Data Management & Processing, Data Modelling & Analysis