

CHUA Yan Yan

Software Developer

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GitHub: <https://github.com/yanc3093> Portfolio: <https://chua-yan-yan.vercel.app>

PROFESSIONAL SUMMARY

A passionate full-stack developer with expertise in front-end technologies such as Flutter and ReactJS, and back-end technologies such as NodeJS and ExpressJS. Proficient in Python, SQL and R for data analytics and business intelligence. Always eager to learn and embrace new challenges in the tech world.

EXPERIENCE

Mlion Corporation Pte Ltd, Singapore

Software Developer

April 2023 - March 2025

- Developed GoBendid, a tablet app designed to digitise operations for the company's pipe bending factory in the Philippines, aimed at improving business processes across multiple functions.
- Designed and implemented CRUD modules in the app to assist managers in handling customers, suppliers, sales orders, purchase orders, deliveries, inventories, facilities and employees.
- Designed and implemented the Operations Management module, the core feature of the app, enabling factory floor operators to view assigned tasks, update work progress, and adhere to SOPs via tablets.
- In the initial stage of the project, implemented the frontend using Flutter and the backend with NodeJS. Later, transitioned the backend to leverage Odoo's external API for enhanced functionality, scalability and flexibility.
- At the end of each 3-week sprint, conducted thorough testing of the app and deployed the iOS tablet app to TestFlight.

Pengurusan Air Selangor, Malaysia

Data Scientist Intern

November 2021 - February 2022

- Supported immediate supervisor in various data science projects under his charge.
- Assisted in data cleaning and preparation.
- Performed exploratory data analysis (EDA) using PySpark in Azure Databricks to discover patterns and spot anomalies.
- Researched and identified potential models and algorithms for specific problems.

EDUCATION

Monash University, Malaysia

Bachelor of Computer Science in Data Science

July 2020 - December 2022

- Grade Point Average (GPA): 3.647 / 4.0

SKILLS

Frontend Development

- Flutter
- React.js
- HTML
- CSS

Backend Development

- Node.js
- Express.js

Data Science & Analytics

- Python
- SQL
- R

Data Visualisation

- Tableau
- Vega-Lite

Image Processing

- MATLAB

Tools

- Git
- VS Code
- Postman
- Insomnia
- Swagger

Others

- RESTful APIs
- Agile Development

LANGUAGES

- English
- Chinese
- Malay