


TAN WAN YIN

Software Engineer

Backend-Focused Software Engineer with **2+ years of experience** in C#, .NET, and SQL Server, building and maintaining backend systems that power real-time data analytics for retail and public venues. Skilled in developing APIs, optimizing large-scale data queries, and streamlining internal workflows. Passionate about solving complex technical problems, writing clean, maintainable code, and collaborating across teams to deliver reliable, high-impact features.

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 Semenyih, Malaysia

 [Portfolio](#)

 [LinkedIn](#)

 [Github](#)

TECHNICAL SKILLS

C#

PYTHON

JAVA

JAVASCRIPT

HTML

CSS

GIT

CI/CD

JENKINS

.NET

RESTAPI

MSSQL

MYSQL

SCRUM METHODOLOGIES

AGILE METHODOLOGIES

WORK EXPERIENCE

Software Engineer

FootfallCam

04/2025 – Present

- Engineered and maintained backend APIs supporting critical business processes, following software development best practices and unit testing to ensure reliability and robustness.
- Collaborated cross-functionally with product, QA, and frontend teams to deliver high-quality, fully integrated features aligned with user requirements and system architecture.
- Resolved system bugs and issues across multiple modules, increasing application stability and minimizing production downtime.
- Designed an interchangeable backend solution for workspace modules, promoting code reusability, faster feature rollouts, and streamlined development cycles.
- Actively supported production-level issue resolution, closing portal-related tickets to enhance user experience and ensure system responsiveness.

Associate Software Engineer

FootfallCam

04/2023 – 03/2025

- Created detailed technical documentation and release notes to support long-term maintenance and knowledge sharing across teams.
- Built backend logic for component and device refurbishment workflows, improving automation and process efficiency in refurbishment operations.
- Led the successful migration of component logs from DRUID to Apache Doris, maintaining data integrity and improving performance on large data queries.
- Optimized and maintained Node-Red flows, enhancing system automation and improving process efficiency across operations.

IT Intern

Public Bank Berhad

09/2022 – 12/2022

- Managed change requests and played a key role in integrating APIs into the mobile app, ensuring seamless functionality.
- Developed and launched a user-favorite account feature, enhancing user experience and boosting engagement.
- Designed and deployed post-transaction push notifications and messaging, improving user communication and feedback.

Project Management Trainee

Ansell Global Trading Center (Malaysia) Sdn Bhd

09/2020 – 05/2021

- Maintained and updated customer and plant records weekly, ensuring data accuracy and reliability.
- Optimized file organization, improving efficiency and reducing time spent on data updates.
- Developed and implemented automated data entry solutions in Microsoft Excel, enhancing productivity and minimizing manual errors.

PROJECTS

MediBuddyAI

AI-powered web application enabling doctors to manage patient schedules efficiently, send medication reminders, and streamline follow-up tracking.

REACT

NEXT JS

GROQ AI

SUPABASE

Restaurant Ordering System

Web-based restaurant ordering system built as part of a university group project. It allows customers to browse the menu, add items to a cart, and simulate an order checkout.

HTML

CSS

JAVASCRIPT

JAVA

SQL

Booking & Ordering Management Application

Flutter-based mobile app to streamline internal hotel and lab equipment management, enabling room bookings, service quotations, and food orders.

FLUTTER

DART

HTML

Mobile E-Commerce & Ordering App

Native Android e-commerce application allowing users to add items to a cart, place orders, and store invoices, streamlining the shopping and order-tracking process.

ANDROID

NATIVE

JAVA

EDUCATION

Bachelor of Computer Science (Hons) Mobile Computing and Networking

UCSI University: Kuala Lumpur Campus

2019 – 2023

LANGUAGES

Mandarin

NATIVE

English

FLUENT

Bahasa Malaysia

FLUENT

REFERENCES

Available upon request