



# Hew Hao Yuan

SOFTWARE ENGINEER

FULL STACK · REACT · TYPESCRIPT

## CONTACT

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## CORE SKILLS

- JavaScript / TypeScript
- React / Next.js
- Node.js
- REST APIs
- Python
- SQL / PostgreSQL / MySQL
- Debugging & Troubleshooting
- FastAPI / Flask

## ALSO FAMILIAR

- Docker
- Git / Testing
- AWS EC2/S3/RDS
- PHP / Laravel
- MS SQL
- Redis
- OpenAI APIs
- Claude APIs
- Prompt Eng.
- Web Scraping

## LANGUAGES

- English: Fluent
- Cantonese: Fluent
- Mandarin: Fluent
- Malay: Fluent

Full-stack developer with experience building web applications using React, TypeScript, Python FastAPI, and SQL databases. Skilled in REST API development, troubleshooting technical issues, and delivering end-to-end features.

## EXPERIENCE

### IT Developer — Intern → Part-Time

Oct 2023 – Feb 2025

Big Bath Sdn Bhd

- Built full-stack web applications and internal tools with PHP, Laravel, and MySQL
- Built REST APIs and backend services for third-party integrations and data synchronisation
- Debugged, tested, and resolved issues across applications and system integrations
- Wrote and optimised SQL queries and designed database schemas
- Gathered requirements, wrote documentation, and collaborated across teams

### QAQC Intern

Jul 2022 – Oct 2022

Flash Express

- Audited operational workflows and documented process improvements
- Collected and analysed data for dashboards, reporting, and operational insights

## PROJECTS

### AI Automation & Reporting Platform

Automation platform that collects and structures external business data into a SQL database. Built with FastAPI, ETL pipelines, and REST APIs.

Python · FastAPI · SQL · REST APIs · ETL

### CRM Automation & API Orchestration

Backend services for data synchronisation across CRM and external platforms via REST APIs. Built with data validation, conditional routing, and error handling.

Python · REST APIs · JSON · MySQL · Automation

### AI Workflow & LLM Integration

Application workflows integrating third-party APIs for data enrichment and task automation. Built with structured data handling and API-driven tooling.

Python · REST APIs · Data Processing · Automation

## EDUCATION

### BSc (Hons) in Information Technology — FinTech

2022 – 2024

Asia Pacific University (APU)

### Diploma in ICT — Software Engineering

2020 – 2022

Asia Pacific University (APU)

## HIGHLIGHTS

- Built full-stack applications with React, TypeScript, Python FastAPI, and SQL databases
- Self-directed — managed tasks and deliverables independently at Big Bath
- PayNet x APU Hackathon — built and presented a FinTech prototype with a team
- Multilingual: English, Cantonese, Mandarin, Malay
- BSc in IT (FinTech) and Diploma in Software Engineering from APU