

Yii Kuo Chong

SOFTWARE ENGINEER · TYPESCRIPT DEVELOPER

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“Be the change that you want to see in the world.”

Summary

Detail-oriented software engineer with 6 years of experience building robust, and scalable frontend and backend applications. Started my software journey after secondary school, went back to university, and started my own consultancy business while managing my responsibilities as a full time student.

Skills

Languages Typescript/Javascript, Python, Kotlin, Perl5

Frontend React, Next.js, Zustand, SASS/LESS, Jetpack Compose

Backend Django, Flask, Scrappy, Express.js, PostgreSQL

Foundational Knowledge REST API Design, Basic CI/CD, Data Structures & Algorithms, MIPS ISA

Work Experience

TimberOne Software

Remote

SOFTWARE ENGINEER, CONSULTANCY

Feb. 2021 - Present

- Led and managed over 5 end-to-end projects, liaising directly with clients in Malaysia, Japan and Australia.
- Developed a REST API that integrate with a conversational AI backend and supporting over 100,000 transactions monthly.
- Created a Python utility library to convert markdown text for multiple social media channels, cutting cross-platform posting time by 50%.
- Co-developed an AI-powered motion tracking app that transformed motion data into anime-style comics.
- Refactored a motion tracking application, boosting code maintainability and reducing developer hours.
- Converted Figma designs into reusable components, ensuring alignment with design specifications and a faster development time.

Deriv Services Sdn. Bhd.

Cyberjaya, Selangor, Malaysia

SOFTWARE DEVELOPER, FRONTEND/BACKEND DEPARTMENT

Dec. 2018 - Dec. 2020

- Developed a canvas drawing prioritization system for a charting library, optimizing frame-by-frame rendering to ensure component accuracy and design fidelity.
- Implemented chat feature through API integration with SendBird, increasing user to user fund exchange by 30%.
- Engineered backend services for automating payments, processing over 50,000 refund requests a month.
- Assisted recruitment efforts by proctoring hackathons and evaluating over 600 tech candidates, supporting team growth and skill diversity.
- Collaborated with UI/UX teams to implement design specifications across web applications, utilizing tools like Abstract, Zeplin, and Invision.
- Ensured software compliance with regulatory standards through close collaboration with the compliance team.

Freelance

Malaysia

SOFTWARE ENGINEER

Jul. 2017 - Jun. 2018

- Developed a REST API for an over-the-counter payment tracking system, enabling real-time tracking and reporting for payment transactions.
- Designed and implemented robust, secure endpoints for payment data retrieval, updates, and storage, following best practices in API design.

Certificates

2023 **AWS Academy Graduate - AWS Academy Cloud Foundations**, Amazon Web Services (AWS)

2020 **Mathematical Thinking in Computer Science**, UC San Diego

Education

University Tunku Abdul Rahman

Kampar, Perak, Malaysia

BACHELOR OF INFORMATION SYSTEMS (HONOURS) INFORMATION SYSTEMS ENGINEERING

May. 2021 - Jan. 2025

- Achieved an A in “Data Structure and Algorithmic Problem Solving,” a course focusing on data structures and algorithms.
- Developed an IoT Debugging Tool for research purposes, receiving an A grade for the project.