

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 with freelancing, got a full-time job, 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, Scrapy, 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, reducing templating time by 5x.
- Assisted in development of an AI-powered motion tracking app that transformed motion data into anime-style comics.
- Refactored a motion tracking application by converting non-react code to react, boosting code maintainability and reducing developer hours.
- Converted Figma designs into reusable React components and pages, resulting in reusable component libraries that sped up development.

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, making it easy to implement raw canvas components.
- Implemented chat feature through API integration with SendBird, increasing client to client payments by 30%.
- Engineered backend services for automating transactions, reducing Finance & Accounts Department's workload by 50%.
- 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
- 2020 **Ruby on Rails: An Introduction**, John Hopkins University
- 2019 **Front-End Web UI Frameworks and Tools: Bootstrap 4**, Hong Kong University of Science and Technology

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.