

Yap Ho Wen

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Aspiring Fullstack Engineer with experience in both front-end and back-end development, proficient in NextJS, Typescript & SQL.

EDUCATION

Bachelor of Computing in Computer Science

Aug 2022 - Present

NATIONAL UNIVERSITY OF SINGAPORE

Relevant Course Work: Software Engineering, Database Systems, Information Security, AI & Machine Learning, Data Structures & Algorithms, Computer Organisation, Programming Methodology

WORK EXPERIENCE

Fullstack Software Engineering Intern

May 2022 - Present

Oyen Insurance

Kuala Lumpur, Malaysia

- Implement a payment system utilising CRON jobs for multiple payment methods, payment types and more
- Develop backend RESTful APIs for frontend and internal applications
- Optimise database query speeds by 180%
- Create frontend components for new product features

SKILLS

Tools: Git, Github, Docker, Vercel, PostmanAPI, DBeaver, Jira, Slack

Programming Languages: TypeScript, Python, Java, Go, C, SQL

Frameworks & Libraries: NextJS, Remix, React, Tailwind, Prisma, FastAPI, Gorilla/Mux, Numpy, Pytorch

LANGUAGES

English (Native proficiency) • **Mandarin** (Native proficiency) • **Cantonese** (Professional working proficiency)

PROJECTS

Alfred

Engineered a comprehensive API for managing users, tasks, and projects, integrating JWT authorisation and JSON payload validation for robust security and efficiency. Implemented unit testing to ensure programme validity and reliability.

- Go
- MySQL Driver, JWT, Gorilla MUX
- MySQL, Docker

Pokedex

Created a dynamic website for users to explore a variety of Pokémon, enabling them to curate a personalised Pokédex, enhancing accessibility to Pokémon information.

- TypeScript, Remix, React, Tailwind
- Pokeapi's GraphQL endpoint

EffiTrack

Developed an application empowering HR managers to assign tasks to employees and monitor efficiency metrics seamlessly.

- Java, JavaFX
- Gradle, Github Actions

Sentry

Constructed an authentication page using FastAPI, facilitating seamless user signup and login experiences while maintaining session continuity. Ensured security of authentication credentials with SHA-256 encryption standards.

- HTML, CSS, Javascript
- Python, FastAPI, SQLite
- SQL Alchemy, Pydantic

golink

Develop a URL shortener with go, packed with features such as batch shortening, allowing users to group multiple URLs into one. Features include rate limiting, concurrent processing and many more.

- Go
- gin-gonic, sqlite3