

# Martin Tsang

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## Summary

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Software Developer with 3-year experience in various programming projects, and over 5 years coding experience. Mainly expertized in Backend Development, with Typescript and Node.js Framework. Eager to learn from professionals and contribute to a collaborative team environment with enthusiasm.

## Skills

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- Java, Javascript, Typescript, Python, HTML/CSS, SASS, SQL, Nest.js, Express.js, React.js, Next.js, Redux, Spring Boot
- Django, Git, Docker, RabbitMQ, Redis, Selenium, AWS, GCP, VSCode, PyCharm, IntelliJ, Unit Testing, Lambda, OOP
- Microservice, Frontend, Backend, Fullstack, English, Mandarin, Cantonese

## Experience

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### Software Engineer

02/2023 - Present

Asynk

- A start-up company with a 6-man team, developing the job searching Product **Jomud**
- Designed and Implemented scalable APIs using **Java** spring boot backend server, CICD on AWS and MariaDB
- Leveraged React.js and Typescript to deliver responsive, mobile-first web applications.
- Collaborated with UI designer and other developers to outline execution plans and participated in creating and prioritizing tasks with Jira

### Software Engineer

03/2022 - Present

Apoidea

- Deployed a bank statement analysis service in the finance sector for a team of 12, impacting top-tier banks in Hong Kong.
- Implemented 100+ bank analysis rules, achieving 95% data accuracy and enhancing client data representation.
- Optimised back-end designs using Nest.js and MySQL, resulting in 60% faster processing for 8,000+ bank transactions.
- Coordinated with a cross-functional team, effectively managing 2000+ QA automation test cases ensuring 98% reliability.
- Incorporated **Redis** caching for optimized data retrieval, reducing latency and boosting system responsiveness.

### Software Engineer

06/2021 - 02/2022

P L Technology Limited

- Delivered a student loan application, utilising **Python**, Django and React, catering to 3,000+ users with a team of 3-5 engineers.
- Managed the automated build and deployment pipeline utilizing AWS CodePipeline, CodeCommit, and CodeBuild.
- Implemented 1,000+ automated unit tests, achieving an 80% code coverage, ensuring robust and fault-tolerant application performance
- Implemented Selenium for social media data extraction, converting insights into analysis reports to inform decision-making for student loan applications.

### Programmer, Part time

03/2021 - 06/2021

Technine

- Developed an E-commerce platform using Next.js, ExpressJS and MariaDB.

### Deep Learning Engineer, Intern

06/2020 - 09/2020

R2C2

- Developed Rock classification model using Pytorch and Python

## Education

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### Bachelor of Engineering

09/2017 - 10/2021

City University of Hong Kong

- Major in Information Engineering