

Martin Tsang

tsangmartin1225@gmail.com | [Github](#) | [LinkedIn](#) | Toronto, ON

TECHNICAL SKILLS

Programming/scripting languages: Java, Python, SQL, Typescript, JavaScript, HTML, CSS
Web Development: ReactJS, Redux, React Native, Spring Boot/MVC, Express, NodeJS, NestJS
Database & Cache broker: Jest, Unittest Postman, Selenium
Developer Tools: Docker, Kubernetes, AWS
Working as part of an **Agile** team throughout whole SDLC, using Jira as project management tool
Solid knowledge of data structure, algorithm

EDUCATION

City University of Hong Kong <i>Bachelor of Engineering in Information Engineering</i>	2017 - 2021
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EXPERIENCE

Software Engineer <i>Asynk AI</i>	2023 – 2023
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- Developed and deployed an online job search and tracking platform with Spring Boot and Next.js
- Applied tailwind CSS on front-end user interface and created customized design component for user experience
- Collaborated with UI designer and other developers to outline execution plans and participated in creating and prioritizing tasks with Jira

Software Engineer <i>Apoidea</i>	2022 – 2023
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- Developed bank statement analysis service using Nest, MySQL, and MongoDB.
- Implemented over 100 bank statement analysis rules for accurate data representation and analysis.
- Refactored overcomplicated back-end designs by adopting Nest.js and largely saved back-end features
- Investigated business logic from source code for a top-tier bank client
- Performed a QA automation suite of over 2000 test cases with Jest for feature validation

Software Engineer <i>P L Technology Limited</i>	2021 – 2022
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- Led a team of 3 to architect and implement a loan platform utilizing ReactJS, Django, and PostgreSQL
- Managed the automated build and deployment pipeline utilizing AWS CodePipeline, CodeCommit, and CodeBuild
- Created and performed over 1000 automated unit tests with Unittest, expanding code coverage to 80%, minimized bugs introduced in new features deployment

Programmer <i>Technine</i>	2021 – 2021
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- Developed an E-commerce platform using Next.js, NodeJS and Express
- Built REST APIs to manage search and delete requests for over 1000 users using MariaDB database

PROJECTS

Portfolio Website	2023
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- Created a portfolio website from scratch using Next.js

Gamehub	2022
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- Developed an online platform for buying and selling used console games using Spring Boot, React.js

Polytasy	2022
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- Built a GameFi platform on Polygon, empowering gamers to earn rewards using Spring Boot, React.js