# Martin Tsang

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## Summary

- Legal and immediately available to work in Toronto, ON without employer sponsorship
- Enthusiastic and self-motivated software engineer with hands-on experience in AWS, DevOps, Full-stack web applications, Kubernetes
- Capable of coping with others to achieve various targets and goals

## Skills

- Programming Languages: Java, Javascript, Typescript, Python
- Frameworks: Nest.js, Node.js, React.js, Spring Boot, Django
- Developer Tools: Git, Docker, AWS, VSCode, PyCharm, IntelliJ
- Language: English, Mandarin, Cantonese

## Experience

### Software Engineer — Asynk.ai — 02/2023 - Current

- Developed and deployed an online job search and tracking platform with React and Java Spring.
- Standardized all output with a new, responsive, mobile-first approach and strategy.
- 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
- Utilized Cloud Foundry for efficient building on top of Kubernetes

### Software Engineer — Apoidea — 03/2022 - 06-2023

- 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 — P L Technology Limited — 06/2021 - 02/2022

- Implemented applications of student loan platforms using **Django, React**,, AWS, and PostgresSQL.
- 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%.

### Programmer, Part time — Technine — 03/2021 - 06/2021

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

### Deep Learning Engineer, Intern — R2C2 Limited — 06/2020 - 09/2020

- Developed Rock classification model (Pytorch/Python)

## Education

### Bachelor of Engineering — City University of Hong Kong — 07/2017 - 07/2021

- Major in Information Engineering

## Projects

- **PERSONAL WEBSITE:** Created a personal website (Next.js). Link to Demo.
- **POLYTASY:** Created a GameFi platform on Polygon, enabling gamers to earn rewards through captivating gameplay experiences (Solidity, React, Java Spring Boot). Link to Twitter.
- **GAMEHUB:** Designed and developed an online marketplace for trading console games (Java Spring Boot, React, AWS)
- **FINDJOBS:** Built a web crawling platform that consolidates job posts from various sources into one website. (Scrapy, Python, React)