# Alfred Tse

Software Engineer

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## Summary

Bring 2 years of full-stack experience in web/mobile applications development. Handled projects like single-page web applications, mobile applications, automated workflows/scripts, internal tools and server revamps, etc. Proficient in building responsive and user-friendly UI. Comfortable with ambiguity and thrive in fast-paced environments.

## Skills

Frontend:       JavaScript, TypeScript, HTML5, CSS (SASS), React, Next.js, Bootstrap, Tailwind CSS, Jest, Flutter
Backend:        C#, PHP, SQL, Node.js, MySQL, DynamoDB
Methodologies: RESTful APIs, Object Oriented Programming (OOP), CI/CD, Agile development
Other tools:    Git, GitHub, GitLab, Jira

## Experience

### Software Engineer
Sky 88 Technology Limited                                              *Mar 2023 - Aug 2023*
- Participated in the revamp of a Node.js game server, resulting in a 90% increase in extendibility, 20% improvement in stability, and 10% better performance.
- Performed unit, integration, and system testing of the game servers.
- Transitioned server codebase from JavaScript to TypeScript, reducing potential runtime errors.
- Enhanced system stability by refactoring error handling and race condition handling.
- Detected, reported, and troubleshoot development issues in a timely manner.
  *Technologies:      TypeScript, NodeJS, DynamoDB, Jest, Git*

### Cloud Application Programmer
Superhub Limited                                                      *Feb 2022 - Oct 2022*
- Implemented frontend CRUD pages in single-page web applications with over 100 users.
- Implemented and optimized responsive user interfaces (UI) for different devices and screen sizes.
- Developed and maintained 4 form applications, designing their user interfaces (UI) using PowerApps.
- Created a .NET console app for streamlined invoice generation, cutting manual effort by 90%.
- Collaborated with designers and backend developers to ensure seamless integration and functionality.
  *Technologies:      JavaScript, HTML, CSS, React, Bootstrap, C#, SQL, MySQL*

### Junior Mobile Apps Developer
Accord Apps Development and Marketing                                  *Jul 2019 - Jun 2020*
- Translated Figma wireframe designs into functional UI of 2 mobile applications using Flutter.
- Assisted in relational database design and API development using PHP and MySQL.
- Integrated frontend components with backend services via RESTful APIs.
  *Technologies:      Flutter, PHP, MySQL, RESTful APIs*

## Projects

### Ecommerce website (Jeans)
- Implemented responsive UI for all device types and Server-Side Rendering (SSR) for faster data fetching.
- Integrated Stripe payment for seamless cart checkout and Sanity as a headless-CMS backend.
  *Technologies:      Next.js, TypeScript, Tailwind CSS, Sanity*

## Education

### City University of Hong Kong
Bachelor of Computer Science                                          *Sep 2017 – Jan 2022*

## Languages

**English** (fluent)                    **Mandarin** (native)                    **Cantonese** (native)