

ALFRED TSE

SOFTWARE ENGINEER

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PROFILE

Software engineer with 2 years of experience in web and game development. Embracer of a growth mindset with continuously improving problem-solving and collaboration skills.

SKILLS

HTML5, CSS, JavaScript, TypeScript, PHP, Java, C#, .NET, Node.js, Next.js, React, Flutter, Dart, SQL, MySQL, DynamoDB, Microsoft Power Platform, Git, Github

EXPERIENCE

Software Engineer

Sky 88 Technology Limited

Mar 2023 - Aug 2023

Hong Kong SAR

- Participated in the revamp of a Node.js game server using Express.js and Socket.IO, contributing to the design, development, and testing phases.
- Performed unit, integration, and system testing of the game servers.
- Restructured server code by applying OOP and migrating from JavaScript to TypeScript.
- Enhanced system stability by refactoring error handling, race condition handling, and disconnection recovery.
- Detected, reported, and troubleshoot development issues in a timely manner.

Cloud Application Programmer

Superhub Limited

Feb 2022 - Oct 2022

Hong Kong SAR

- Designed, developed, tested, and maintained 4 form applications and 5 automated workflows using PowerApps, Power Automate, and SharePoint.
- Implemented responsive UI and frontend CRUD in single-page web applications using HTML, SCSS, JavaScript, React, and Bootstrap.
- Developed Azure functions to handle periodical data processing using C# and SQL.
- Built a .NET console application for internal use to effectively generate invoices with simple instructions, reducing 90% of manual work.
- Communicated with cross-team members and clients to collect and document application requirements.

Junior Mobile Apps Developer (Internship)

Accord Apps Development and Marketing

Jul 2019 – Jun 2020

Hong Kong SAR

- Transformed wireframe designs into the UI of 2 mobile applications using Flutter.
- Assisted in relational database design and API development using PHP and MySQL.
- Maintained existing CMS by making modifications as required.

EDUCATION

Bachelor of Computer Science

City University of Hong Kong

Sep 2017 – Jan 2022

Hong Kong SAR

LANGUAGES

English

Proficient

Mandarin

Native