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 developing scalable APIs, database management, and server-side logic. Comfortable with fast-paced environments.

Skills

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

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*
- Designed, developed, tested, and maintained 4 form applications and 5 automated workflows.
- Developed Azure functions to handle periodical data processing using C# and SQL.
- Created a .NET console app for streamlined invoice generation, cutting manual effort by 90%.
- Implemented frontend CRUD pages and responsive UI in single-page web applications.
- Communicated with cross-team members and clients to collect and document application requirements.
  Technologies: C#, SQL, MySQL, JavaScript, React

Junior Mobile Apps Developer

Accord Apps Development and Marketing   *Jul 2019 - Jun 2020*
- Assisted in relational database design and API development using PHP and MySQL.
- Maintained existing CMS by making modifications as required.
- Translated Figma wireframe designs into functional UI of 2 mobile applications using Flutter.
  Technologies: PHP, SQL, MySQL, Flutter

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)