

# Wong Ka Hing

Software Developer | Full-Stack | Cloud & DevOps

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## Professional Summary

Full-stack engineer with 4+ years' experience delivering enterprise-grade web & mobile solutions across APAC and EMEA. 2022 WorldSkills Web Technology Champion with a proven record of thriving in remote, cross-cultural teams. Expert in TypeScript/JavaScript, .NET, Angular, React, AWS, Docker, and Kubernetes; strong in RESTful API & relational-database design, CI/CD, and event-scale systems. Eager to help WorldSkills International run flawless global competitions.

## Core Technical Skills

<b>Languages:</b> TypeScript, JavaScript, C#, Golang, SQL, Swift	<b>Frameworks:</b> .NET Framework, Angular 17, React, React Native, Node.js/Express
<b>DevOps:</b> AWS (EC2, RDS, S3, Lambda, CloudWatch), Docker, Kubernetes, Pulumi, GitHub Actions	<b>Data &amp; Integration:</b> MySQL, PostgreSQL, MongoDB, RESTful API design & consumption, Mapbox, WebSockets
<b>CMS &amp; PHP:</b> WordPress plugin/theme development	<b>Tools:</b> Git, Jira, Figma, Puppeteer, Unity, BIM, Web3.js

## Professional Experience

<b>Gammon Construction Limited</b> Analyst Programmer	11/2024 - Present Hong Kong
<ul style="list-style-type: none"><li>Architected GPS tracking platform (Angular + Mapbox + BIM) handling maximum 10k+ daily events; reduced API latency 40%</li><li>Refactored Digital Works Supervision System to a modular .NET Framework REST API layer, improving release velocity 30%</li><li>Built cross-platform supervisor app with React Native, achieving 95% code reuse</li></ul>	
<b>One2 Cloud Limited</b> Senior Software Engineer	01/2023 - 11/2024 Hong Kong
<ul style="list-style-type: none"><li>Designed &amp; deployed Web3 credit-card wallet on AWS (Step Functions, API Gateway, Lambda, RDS) processing &gt;US\$1M/month</li><li>Integrated Sumsub eKYC, cutting user verification time from 24h to 15min</li><li>Authored Pulumi + Docker micro-framework, reducing green-field API setup time 70%</li><li>Developed automation solution using Puppeteer to bypass CAPTCHA in Alibaba Cloud, enabling automatic sub-account creation and ECS instance provisioning</li><li>Enhanced React application with optimized animations and performance improvements for international team collaboration</li></ul>	
<b>Freelance</b> Full-Stack Developer	2024 - 2025 Remote
<ul style="list-style-type: none"><li>Delivered appointment &amp; back-office suite for Chinese medicine clinics (Node.js/Express, React, PostgreSQL)</li><li>Implemented live schedule board via WebSocket (&lt;200ms sync across 8 terminals)</li><li>Built drag-and-drop interface using React DnD allowing staff to reschedule appointments with duration resizing</li><li>Established CI/CD pipeline for automated deployment, ensuring smooth release process for international clients</li></ul>	
<b>Sik Sik Yuen</b> Student Programmer	07/2021 - 04/2022 Hong Kong
<ul style="list-style-type: none"><li>Containerised legacy services with Docker &amp; Kubernetes, cutting infra cost 25%</li><li>Built Golang API gateway with RBAC and integrated MPGS 3-DS payments for kiosk POS</li><li>Revamped kiosk system with sticker printing capabilities and secure transaction processing</li></ul>	

## Selected Projects & Achievements

<b>*WorldSkills Competition 2022* — Web Technology Champion</b>	Oct 2022
<ul style="list-style-type: none"><li>International competition demonstrating excellence in full-stack web development</li><li>Competed against global participants showcasing advanced technical skills</li></ul>	
<b>*Cathay Hackathon 2022* — Champion</b>	Nov 2022
<ul style="list-style-type: none"><li>Built Swift/AWS carbon-footprint app with gamified reward system</li><li>Engineered iOS native app with modular API architecture for sustainable travel tracking</li></ul>	

<b>*IEEE Blockchain Hackathon 2022* — 3rd Place</b>	Aug 2022
<ul style="list-style-type: none"><li>• Developed DAO-backed bookstore utilizing Web3 technologies: Soulbound tokens, DAO, and NFT</li><li>• Created censorship-resistant platform ensuring content permanence and author rights protection</li></ul>	
<b>The Link – Atos IT Challenge</b>	Jan 2021 - Apr 2021
<ul style="list-style-type: none"><li>• Built AI-powered ESG solution in hybrid React Native architecture for cross-platform compatibility</li><li>• Implemented intelligent algorithms for tracking and reducing carbon emissions</li></ul>	
<b>Auto Chess – IVE GSD Final Year Project</b>	Jun 2019 - Jun 2022
<ul style="list-style-type: none"><li>• Developed mobile auto-chess game with Unity, featuring optimized rendering for mobile devices</li><li>• Architected multiplayer system with spectator mode and AI-driven chess movement mechanics</li></ul>	

Education

<b>City University of Hong Kong</b> B.Sc. (Hons) Computer Science	2020 – 2023 Hong Kong
<b>Hong Kong Institute of Vocational Education (IVE, TY)</b> Higher Diploma, Game Software Development (Distinction)	2018 – 2020 Hong Kong

Certifications

<b>AWS Certified Solutions Architect – Associate</b>	2024
<b>AWS Certified Developer – Associate</b>	2024
<b>Huawei HCCDA Tech Essentials</b>	2024
<b>AWS Certified Cloud Practitioner</b>	2023
<b>Apple Certified Swift Developer</b>	2022

Languages

English – Fluent | Cantonese – Native | Mandarin – Professional

Availability

Remote (UTC+8) with flexible overlap for Europe & Americas  
Willing to travel internationally for competition periods

Awards & Achievements

<b>Hong Kong Cyber Security New Generation CTF</b>	
<ul style="list-style-type: none"><li>• 2023 Open Category   <b>Certificate of Merit</b></li><li>• 2022 Tertiary Institution Category   <b>Certificate of Merit</b></li><li>• 2021 Tertiary Institution Category   <b>Certificate of Merit</b></li><li>• 2020 Tertiary Institution Category   <b>Appreciation of Tertiary</b></li></ul>	
<b>City University of Hong Kong - CityHack 2023</b> First Runner-Up	Nov 2023 Nov 2022 Nov 2021 Nov 2020
<b>Cathay Pacific – Cathay Hackathon 2023</b> Champion & Most Popular Solution	Feb 2023
<b>WorldSkills Competition 2022 Special Edition</b>	Nov 2022
<ul style="list-style-type: none"><li>• WorldSkills International – Web Technology   <b>Champion</b></li><li>• WorldSkills Hong Kong – Web Technology   <b>Champion</b></li></ul>	
<b>Apple Inc. – Mobile Application Innovation Contest</b> Second Runner-up	Oct 2022 Jun 2020
<b>IEEE – IEEE Blockchain Hackathon 2022 Web3 Dev</b> Third Place	Sep 2022
<b>Atos – Atos IT Challenge 2020</b> Shortlisted & Represent HKSAR	Aug 2022
	Dec 2020