Ian Qiu

University of Tasmania
Bachelor(Hons) of Computing

https://www.linkedin.com/in/ian-q/
https://github.com/qiuxan
✉ ian.dev.q@gmail.com
☐ 0467239975

Career Objective

Experienced SDE with a passion for cutting-edge tech and agile development. Proficient in TypeScript, C#, and PHP. Skilled in Azure and AWS, with strong project management and full-stack development expertise. Seeking growth as a versatile generalist, expanding across diverse technologies and frameworks.

Skills

Coding Languages:	Back-End:	Front-End:
JavaScript ES5-2021, TypeScript, C#, PHP, C++, Python	MVC(.Net Core,Nodejs,Laravel, Yii, Express.js), Next.js	HTML5/CSS3/SCSS,Angular, React, AngularJS, jQuery
Database:	**Cloud:**	**CI/CD Process:**
MySQL,PostgreSQL,SQL Server, MongoDB,	Azure(App Service), Vercel, AWS(EC2), MongoDB Atlas	GitHub, GitLab, Jira,Azure DevOps Server

Commercial Projects

Assessment Master(Link) | .Net Core, CSS, PHP, TypeScript, Angular, Chart.js, D3.js, Blockly, Node.js

Assessment Master is a flexible, accessible online assessment platform trusted by governments, universities, and schools worldwide. It supports remote testing across various delivery methods, assessing competencies like numeracy, literacy, and ICT literacy for thousands of students.

ICILS 2023 (Link) | PHP, TypeScript, Angular, D3.js, Blockly, Node.js, jQuery

The International Association for the Evaluation of Educational Achievement (IEA) is the international study center and coordinating body for ICILS 2023

PISA 2023(Link) | Chart.js, Blockly, PHP, TypeScript, Reactjs

Created by the Organisation for Economic Co-operation and Development (OECD), PISA tests the skills and knowledge of 15-year-old students in mathematics, reading and science.

ICAEW E-Marking (Link) | Angular,TypeScript Chart.js, D3.js, Blockly, Node.js, SpreadJS

The Institute of Chartered Accountants in England and Wales (ICAEW) successfully moved towards an assessment solution that reflects the working conditions for professional accountants without losing the integrity of their exams.

LetourCycles E-commerce Website (Link) | Shopify, CSS, Web Scraper, JavaScript, CSS, Google Ads/Analytics

Letour Cycles is an Australian-based e-commerce website specializing in premium cycling gear, equipment, and accessories.

Experience

RM PLC Australia (LSE Listed, Code: *RM..UK*) —— Software Engineer (Oct 2021 - Now)

- **Full-Stack SaaS Development**: Expertise in database retrieval, API design, HTTP request handling, and UI/UX development, with SQL optimization for efficient responses.
- **System Migration**: Contributed to transitioning a PHP monolithic system to a C# and SQL Server microservices architecture, improving scalability and performance.
- **Accessibility Compliance**: Enhanced UI/UX to meet WCAG 2.0–2.2 standards, customizing third-party libraries as needed.
- **Agile & CI/CD**: Managed sprints via Jira (stories, tasks, bugs) and utilized Azure DevOps for deployments, version control, and CI/CD pipelines.
- **Data Processing Algorithms**: Designed algorithms to process raw data (e.g., student answers) and auto-generate scoring reports.
- **Client Collaboration**: Translated client requirements into actionable tasks, ensured WCAG-aligned designs, and guided projects from development through QA to production.
- **Achievement At RM PLC**:
  - Lead developer for Project PISA2025 (Programme for International Student Assessment) at the OECD (https://www.oecd.org/en.html). Joined as a **RM new starter** when the **project lead left RM**, taking on PM, BA, and Developer responsibilities. Independently developed two modules, directly discussed and negotiated requirements with the client, delivered progress updates, and set project deadlines.
  - Lead developer of the Angular update from version 14 to version 18 for RM Australia' s key SaaS platform —Assessment Master (https://am.sonet.com.au)

- Algorithm Designer and Developer of the Blockly(https://blockly.games/) machine marking of ICILS Project (https://icils.acer.org/) (International Computer and Information Literacy Study) for International Association for the Evaluation of Educational Achievement, develop a recursive algorithm to transfer a XML string to a working coding piece and get a result for coding exams.
- Lead developer of updating Data Visualization tool (D3.js) from V4 to V7.9 of Assessment Master (https://am.sonet.com.au)
- Drive the design and implementation of Test-Driven Development(TDD) methodologies, setting best practices and guidelines within the software development lifecycle to improve code quality and testing standards.

-- C#, .Net Core, Node.js, Angular, PHP, TypeScript, Algorithm design, AngularJS, Test-Driven Development (TDD), PostgreSQL, SQL Server, Back-end API Development, Front-end HTTP request/response Development, MVC, Vanilla JavaScript, jQuery, CSS/SCSS, Yii, GitLab, GitHub, Azure DevOps Service, Jira

Letour Cycles —— E-commerce Web Developer (Dec 2019 - Oct-2021)

- **E-commerce Development**: Designed, developed, and deployed Shopify-based online stores, enhancing user experience and functionality.
- **API Integration**: Maintained seamless API communication for order processing (e.g., submitting orders to AusPost, syncing orders between eBay, Shopify, and Neto).
- **SEO Optimization**: Created product pages with SEO features, including dynamic metadata injection to improve search visibility.
- **Product Page Development**: Built and maintained product pages using Neto E-commerce and Shopify platforms.
- **Data Monitoring**: Monitored and ensured smooth data exchange for orders and tracking information across multiple platforms.

-- CSS, Web Scraper, JavaScript, CSS, Google Ads/Analytics

Australian Trading Bridge —— Full Stack PHP Laravel Developer (Jan 2018 - Dec 2019)

- **Product Management System Development**: Developed a printing product management system and E-commerce website using Laravel 5.
- **Model and UI Development**: Configured Laravel Eloquent models, built PHP Blade views, and used Bootstrap for front-end UI design.
- **Database Migration**: Designed and implemented Laravel database migrations with MySQL.
- **Feature Enhancement**: Added new features to meet sales team requirements, ensuring the system aligns with business needs.
- **System Optimization**: Optimized performance by resolving N+1 query issues and implemented custom middleware to support new features.

-- Laravel, HTML, CSS, MySQL, LAMP Development

FHL Group —— IT support (2016 - 2018)

- **API Management**: Managed APIs for different websites integrated with the PHP-based e-commerce system.
- **Feature Development**: Added new features to the website, such as a Christmas Sale template and new payment methods.
- **SEO Optimization**: Created new product listings with SEO features, including metadata injection with targeted keywords.
- **API Communication**: Maintained seamless API communication between the company and carriers.

-- CSS, HTML, JavaScript

Education

Bachelor of Computing (With Honours) —— University of Tasmania (Feb 2011-August 2014)

- **Graduate Project:** Develop a showcase website for the Career Hub of UTAS for future students (HTML+CSS, jQuery, Content Management System);
- **Honours Research Thesis Project**: Using Hopfield Network to Understand Alzheimer's Disease (Artificial Intelligence, Artificial Neural Network, Neural Science, MATLAB, Statistics);
- **Achievement: 100%** for 2 major assignments and tutorial work for KXT309 Advanced Dynamic Web Development (LAMP and Javascript/jQuery full-stack project).

Reference

References' Contact Information Available Upon Request.