Ian Qiu

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University of Tasmania
Bachelor(Hons) of Computing

Career Objective

Experienced SDE with a passion for cutting-edge tech and agile development. Proficient in JavaScript, TypeScript, C#, and PHP. Skilled in Azure and AWS. Strong work ethic and project management abilities. Seeking growth in full-stack roles with a desire to become a versatile generalist in coding, expanding my expertise 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

Experience

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

- Fast-pace SaaS full stack dev: DB data retrieval, API packing, HTTP requests for frontend, UI/UX dev, handling frontend requests, SQL data manipulation for HTTP responses.
- Improving the application UI to comply with WCAG 2.0 to 2.2 standards, often requiring detailed examination and modification of third-party library source code.
- Utilize Jira for sprint-based project management: write stories, tasks, and bugs; size story points; communicate with QA, PM, PO, client, UI/UX; peer review code.
- Use Azure DevOps Server for DevOps and CI/CD: Git, deployment, test environment management, etc.
- Design and Develop Algorithms to process raw data (student answers) and auto-generate reports (scoring results).
- Analyze client needs, create Jira tickets from storyboards, and design with WCAG standards. Liaise with clients on projects, budgets, and tech, guiding code changes through QA to production. Explain technical details to non-technical stakeholders.
- **Achievement:**
  - Lead developer of the Angular update from version 14 to version 17 for RM Australia' s key SaaS platform —Assessment Master (https://am.sonet.com.au)
  - One of the leading developers of Project PISA2025 (Programme for International Student Assessment: https://www.oecd.org/pisa/) for Organisation for Economic Co-operation and Development. Individually developed 2 modules;
  - Lead developer of updating Data Visualization tool (D3.js) from V4 to V7.9 of 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.

-- Node.js,Angular, PHP, Algorithm design, AngularJs, PostgreSQL, Back-end API Development, Front-end HTTP request/response Development, MVC, Vanilla JavaScript, jQuery, CSS/SCSS,Yii, Gitlab, GitHub, Azure DevOps Service, and Jira.

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

- Develop and deploy a Shopify E-commerce shop;
- Maintaining API communication among websites(Order submt to Aus Post, Fetching orders to Neto from eBay and Shopify).
- Creating new product pages with SEO features(Inject meta data with keywords to a page).
- Developing Company's Product Page via Neto EC system and Shopify
- Monitoring data exchange (Orders, tracking information) among different websites.

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

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

- Developing a printing product management system and an EC website by Laravel 5.

- Setup Larvel Eloquent for the modeles, build php blade views,and use Bootstrap to build front-end UI.
- Develop the database migrate of Laravel to the MySQL database.
- Adding new features to the website/application to meet the requirements of sales tearms.
- Optimizing the system, for example, detecting and avoiding the N+1 query problem in Laravel, and new middleware for new features.

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

FHL Group —— IT support (2016 - 2018)

- Managing APIs for different websites to our PHP based e-commerce system.
- Adding new features to the website(e.g Christmas Sale template, and new payment method).
- Creating new listing with SEO features(Inject meta data with keywords to a page)..
- Maintaining the API communication among the company and the 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 development and Javascript/jQuery).

Personal Projects

- Book Shop project(.Net Core)
  - Project link: https://bulkyproject-ian.azurewebsites.net/
  - GitHub Link: https://github.com/qiuxan/Bulky
- Game Hub Project(React 18 + TypeScript to fetch data from (RAWG Video Games Database API))
  - Project link: https://game-748lq44hq-qiuxan.vercel.app/
  - GitHub Link: https://github.com/qiuxan/Game-Hub-Project
- Natours Project(MVC API service + SSR using Express.js+MongoDB)
  - GitHub Link: https://github.com/qiuxan/natours
- Issue Tracker(Next.js, React, SSR Using React)
  - GitHub Link: https://github.com/qiuxan/issue-tracker

Reference

References' Contact Information Available Upon Request.