Matthew Kwong

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# Recent Experience

Asst. Technical Manager, [Hong Kong Jockey Club](https://www.hkjc.com) 05/2024 – Present

* Led a team of four frontend and backend engineers in an agile environment, consistently meeting sprint goals and ensuring timely delivery of high-quality project outcomes.
* Facilitated alignment of product vision and technical solutions by collaborating with product owners, business analysts, solution architects, and technical teams.
* Developed a tailored Backend for Frontend service using ASP.NET Web API 2 to support a new web project.
* Migrated web analytics to Adobe Launch and user monitoring to Datadog RUM for [Bet.hkjc.com](https://bet.hkjc.com), streamlining tag management and enabling real-time user insights.
* Coordinated with DevOps and infrastructure teams to implement necessary infrastructure changes, such as VM provisioning and firewall updates, ensuring the project's timely completion.

Senior Web Engineer, [Viu](https://www.viu.com/) 09/2023 – 05/2024

* Collaborated with cross-functional teams to elevate UX and maintain legal compliance while advancing SEO and Core Web Vitals for [Viu.com](https://www.viu.com/) by utilizing technologies such as Next.js.
* Conducted thorough peer code reviews to ensure code quality while mentoring junior engineers, fostering professional growth, and enhancing team productivity.
* Streamlined the CI/CD pipeline, cutting deployment times by 33%, leading to faster and more efficient deployment processes.

Frontend Engineer, [TecPal Ltd.](https://www.tecpal.com/) 10/2022 – 09/2023

* Developed essential features for [Monsieur-Cuisine.com](https://www.monsieur-cuisine.com/), such as authorization and a customer review management system by leveraging Vue and React, elevating UX, and facilitating business expansion.
* Spearheaded comprehensive peer code review processes, rigorously scrutinizing and providing constructive feedback to ensure adherence to best practices and maintain superior code quality standards.
* Led the adoption of Turborepo to facilitate the shift to a monorepo architecture, significantly improving the efficiency of the development process.

Programmer 08/2021 – 09/2022

Junior Programmer 07/2019 – 08/2021

[Hospital Authority](https://www.ha.org.hk/)

* Led the strategic planning and timely execution of a web application operating system and database migration within one week, delivering a seamless transition and minimizing disruption.
* Architected and implemented a database health check system using React, Express, and MySQL, streamlining SRE processes and improving system reliability.
* Conducted a successful database knowledge-sharing session for more than 100 technical professionals, expanding team expertise and fostering collaboration.

# Featured Skills

## Frontend

i18next, MUI, Next.js, Pinia, Quasar, React, React Hook Form, React Router, Redux, SCSS, SEO, SWR, Tailwind CSS, TanStack Query, TypeScript, Vue, Vuetify, Vuex, Web Vitals, Zod, Zustand

## Backend

ASP.NET Web API 2, Backends for Frontends, Express, Firebase, JWT, NestJS, Newtonsoft.Json, Prisma ORM, Spring Boot, TypeORM

## Content Management System

Contentful, Strapi, WordPress

## Database

Disaster Recovery, High Availability, MS SQL, MySQL, PostgreSQL

## DevOps

AWS (CloudFront, ECR, S3), Argo CD, Azure (Blob Storage, Front Door), Bitbucket Pipelines, Docker, GitHub Actions, IBM DevOps (Deploy, Release), Jenkins

## Monitoring

Adobe Launch, Datadog RUM, Sentry, Splunk Enterprise

## Mobile

Deep, Universal, and App Link

# Recent Education

## **MSc in Information Systems Management**

[HKUST](https://hkust.edu.hk/) · 08/2022 – 07/2024

Technology Innovation and Entrepreneurship Concentration

## **BEng in Computer Science**

[HKU](https://www.hku.hk/) · 09/2015 – 12/2019

2nd Class Honours (Division One)