

Matthew Kwong

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Recent Experience

Asst. Technical Manager, [Hong Kong Jockey Club](#) 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 .NET to support a new web project.
- Migrated web analytics to Adobe Launch and user monitoring to Datadog RUM for [Bet.hkjc.com](#), streamlining tag management and enabling real-time user insights.

Senior Web Engineer, [Viu](#) 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](#) 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.](#) 10/2022 – 09/2023

- Developed essential features for [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](#)

- 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](#) · 08/2022 – 07/2024

Technology Innovation and Entrepreneurship Concentration

BEng in Computer Science

[HKU](#) · 09/2015 – 12/2019

2nd Class Honours (Division One)