Matthew Kwong

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# Recent Experience

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

* Collaborated with cross-functional teams to refine user experiences and legal compliance and contributed to SEO efforts and site optimization for a Next.js website.
* Addressed and rectified critical bugs in alignment with the PMs’ priorities, ensuring optimal site functionality and performance.
* Worked closely with the product team and the team lead to clarify and confirm a precise grasp of product requirements.
* 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 critical Vue and React features like authorization, shopping list, customer review management system, and blog, boosting UX and business expansion.
* Collaborated with PMs, backend engineers, and QAs to refine and ensure a clear understanding of product requirements.
* Participated in assessing task complexity and time required to complete tasks, contributing to effort estimation discussions.
* 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 (Business and Administrative Systems) 05/2022 – 09/2022

Programmer (Database Management System) 08/2021 – 05/2022

Junior Programmer (Database Management System) 07/2019 – 08/2021

[EDPS Systems Limited](http://www.edps.com.hk/) · [Hospital Authority](https://www.ha.org.hk/) (Secondment)

* Managed HA.org.hk and multiple intranet web applications, ensuring their smooth operation and meeting the needs of stakeholders.
* 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.
* Conducted a successful database knowledge-sharing session for more than 100 technical professionals, expanding team expertise and fostering collaboration.
* Supported over 10 application teams on MySQL deployment and maintenance, ensuring optimal database performance and minimizing downtime.
* Developed a time off application system using React, Express, and MySQL, providing an automated and streamlined solution for managing employee time off requests.

# Key Skills

## Frontend

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

## Database

MySQL, Disaster Recovery, High Availability, MS SQL, Oracle DB, MongoDB

## Backend

CASL, class-validator, Express, NestJS, Prisma, Spring Boot

## Content Management System

Contentful, Strapi, WordPress

## DevOps

Docker, Bitbucket Pipelines, GitHub Actions, Jenkins, AWS (CloudFront, ECR, S3)

## Quality Assurance

Cypress

# Education

## MSc in Information Systems Management

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

Technology Innovation and Entrepreneurship Concentration

## BEng in Computer Science

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

2nd Class Honours (Division One)

# Selected Contributed Open-Source Projects

* [MUI Core](https://mui.com/core/)
* [Prisma Read Replicas Extension](https://github.com/prisma/extension-read-replicas)
* [Vercel Style Guide](https://github.com/vercel/style-guide)