**Matthew Kwong**

Senior Web Engineer @ Viu

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## RECENT EXPERIENCE

**Senior Web Engineer**SEP 2023 – PRESENT | [Viu](https://www.viu.com/)

**Frontend Engineer**OCT 2022 – SEP 2023 | [TecPal Ltd.](https://www.tecpal.com/)

* Implemented key features in Vue and React applications, including an authorization system, shopping list, customer review management system, and blog, enhancing the user experience and driving business growth.
* Developed a personalized Strapi plugin that enables live content preview, resulting in a streamlined content creation and editing process and increased productivity.
* Conducted a technical review and led proof-of-concept development for the migration of web applications from Vue to Astro and Next.js, paving the way for future adoption of these technologies.
* Spearheaded the implementation of Turborepo, laying the groundwork for a successful transition and improving the efficiency of the development process.
* Facilitated the migration of Vue applications from legacy WordPress APIs to modern RESTful APIs, ensuring a seamless transition.

**Programmer (Business and Administrative Systems)** | MAY – SEP 2022 **Programmer (Database Management System)** | AUG 2021 – MAY 2022 **Junior Programmer (Database Management System)** | JUL 2019 – AUG 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.
* Architected and implemented a database health check system using React, Express, and MySQL, streamlining SRE processes and improving system reliability.
* Supported more than 10 application teams on MySQL deployment and maintenance, ensuring optimal database performance and minimizing downtime.
* Conducted a proof-of-concept project on data virtualization using the Delphix DataOps platform, successfully supporting 3 types of databases and over 50 database instances and enhancing the team's capabilities in this area.

## KEY SKILLS

**Frontend**

MUI

Next.js

React

React Hook Form

TypeScript

Zod

Zustand

React Query

React Router

Redux

Vue

Vuetify

Vuex

Pinia

Quasar

SWRs

**Backend**

CASL

class-validator

Express

NestJS

Spring Boot

TypeORM

Firebase

Prisma

**Content Management System**

Contentful

Strapi

WordPress

**Database**

MySQL

MS SQL

Sybase ASE

Oracle Database

MongoDB

**DevOps**

Delphix

GitHub Actions

Argo CD

Docker

Jenkins

**Quality Assurance**

Cypress

## EDUCATION

AUG 2022 – PRESENT  
**MSc in Information Systems Management**[The Hong Kong University of Science and Technology](https://hkust.edu.hk/)

SEP 2015 – DEC 2019 **BEng in Computer Science**  
[The University of Hong Kong](https://www.hku.hk/)  
2nd Class Honours (Division One)