Matthew Kwong

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# Recent Experience

## Senior Web Engineer

Sep 2023 – Present | [Viu](https://www.viu.com/)

 [Viu.com](https://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.

 [Monsieur-Cuisine.com](https://www.monsieur-cuisine.com/)

## 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.

 [HA.org.com](https://www.ha.org.hk/)

# Key Skills

## Frontend

MUI

Next.js

React

React Hook Form

TypeScript

Zod

Zustand

React Query

React Router

Redux

SWR

## Backend

CASL

class-validator

Express

NestJS

Spring Boot

TypeORM

Firebase

Prisma

## CMS

Contentful

Strapi

WordPress

## Database

MySQL

MS SQL

Sybase ASE

Oracle Database

MongoDB

## Soft Skills

Adaptability

Creative Problem Solving

Time Management

Communication

Teamwork

## DevOps

Jenkins

GitHub Actions

Argo CD

Bitbucket Pipelines

Docker

# Educations

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)