

Matthew Kwong

Frontend Dev & System DBA

RECENT EXPERIENCE

Frontend Engineer

OCT 2022 – PRESENT | [TecPal Ltd.](#)

- 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 2022 – SEP 2022 | [EDPS Systems Limited](#) · [Hospital Authority](#) (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.

Programmer (Database Management System) | AUG 2021 – MAY 2022

Junior Programmer (Database Management System) | JUL 2019 – AUG 2021

[EDPS Systems Limited](#) · [Hospital Authority](#) (Secondment)

- 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.
- Designed and developed a React, Express, and MySQL web application that provided visualization of database CPU utilization.
- 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.

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KEY SKILLS

Frontend

MUI Next.js React
React Hook Form TypeScript
Zod Zustand React Query
React Router Vue Vuetify
Vuex Pinia Quasar

Database

MySQL MS SQL Sybase
Oracle MongoDB

Backend

CASL class-validator Express
NestJS Spring Boot TypeORM

Content Management System

Contentful Strapi WordPress

DevOps

Delphix GitHub Actions Docker
Jenkins

Quality Assurance

Cypress

EDUCATION

2022 – PRESENT

MSc in Information Systems Management

[The Hong Kong University of Science and Technology](#)

2015 – 2019

BEng in Computer Science

2nd Class Honours (Division One)

[The University of Hong Kong](#)