**Matthew Kwong**

Frontend Dev & System DBA

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## RECENT EXPERIENCE

**Frontend Engineer**OCT 2022 – PRESENT | TecPal Ltd.

* Facilitated the migration of Vue applications from legacy WordPress APIs to modern RESTful APIs, ensuring a seamless transition.
* 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.
* 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.

**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 2021EDPS 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.
* 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

React Hook Form

TypeScript

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

**Quality Assurance**

Cypress

**DataOps**

Delphix

## 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