**Matthew Kwong**

Frontend Dev & System DBA

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## RECENT EXPERIENCE

**Frontend Engineer**Oct 2022 – Present | TecPal Ltd.

* Facilitated the seamless migration of Vue apps from legacy WordPress APIs to modern RESTful APIs.
* Orchestrated the successful implementation of features in Vue and React apps, including an authorization system, shopping list, customer review management system, and blog.
* Conducted technical review and spearheaded proof-of-concept development for web application migration from Vue to Astro and Next.js.
* Pioneered the implementation of Turborepo, establishing the fundamental groundwork for the successful transition.

**Programmer (Business and Administrative Systems)**May 2022 – Sep 2022 | EDPS Limited | Seconded to Hospital Authority

* Managed ha.org.hk and multiple intranet web apps, effectively catering to the needs of 100+ staff and 7M+ Hong Kong residents.
* Orchestrated the strategic planning and timely execution of web app OS and DB migration within 1 week.

**Programmer (Database Management System)** | Aug 2021 – May 2022 **Junior Programmer (Database Management System)** | Jul 2019 – Aug 2021EDPS Limited | Seconded to Hospital Authority

* Played an active role in conducting a DB knowledge-sharing session and engaging audiences of 100+ technical professionals.
* Architected and programmed a database health check system utilizing React, Express, and MySQL, streamlining SRE processes and decreasing system recovery time.
* Provided support and guidance to 10+ application teams on MySQL deployment and maintenance.
* Architected and programmed a web app with React, Express, and MySQL that visualized database CPU utilization, resulting in a 30% increment in productivity.
* Conducted a POC on data virtualization utilizing the Delphix DataOps platform, bolstering support for 3 types of DBs and 50+ DB instances.

## EDUCATION

**Master of Science in Information Systems Management**2022 – Present | The Hong Kong University of Science and Technology

**Bachelor of Engineering in Computer Science**Second Class Honours (Division One)  
2015 – 2019 | The University of Hong Kong

## 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

**DataOps**

Delphix

**Mobile**

React Native

NativeBase

React Navigation

**Cloud**

Contentful

OpenShift

**Quality Assurance**

Cypress

## LANGUAGES

|  |  |
| --- | --- |
| Cantonese | Native |
| English | Full professional |
| Mandarin | Full professional |