**Matthew Kwong**

Frontend Dev & System DBA

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## RECENT EXPERIENCE

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

* Migrated Vue web apps from legacy WordPress API to RESTful API
* Implemented Vue web app features.   
  e.g., Authorization system, shopping list
* Technically reviewed and developed POC on web app migration from Vue to Astro and Next.js

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

* Maintained, enhanced, and managed ha.org.hk and several intranet web apps, serving 100+ staff and 7M+ Hong Kong residents
* Planned and finalized 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

* Participated in conducting DB knowledge-sharing sessions for 100+ audience
* Initiated and maintained a Bitrix24 site to manage training materials, guidelines, and documentation, boosting working efficiency by 20%
* Designed and developed a DB health check system using React, Express, and MySQL to facilitate SRE and reduce system recovery time
* Supported and guided 10+ application teams on MySQL deployment and maintenance
* Designed and developed a web app using React, Express, and MySQL to visualize database CPU utilization which led to a 30% increase in productivity
* POC on data virtualization with Delphix DataOps platform supporting 3 types of DB and 50+ DB instances
* Implemented a Java-based database password management application supporting 3 types of DB
* Implemented time off application system using React, Express, and MySQL, serving 20+ team members and cutting down admin work by 90%

## EDUCATION

**Master of Science in Information Systems Management**2022 – Present | 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**

React

TypeScript

Next.js

MUI

Redux

Vue

Vuetify

Quasar

Vuex

Pinia

**Database**

MySQL

MS SQL

MongoDB

Oracle

Sybase

**Backend**

Spring Boot

Express

**Quality Assurance**

Cypress

**DataOps**

Delphix

**Cloud**

Contentful

OpenShift

**Mobile**

React Native

NativeBase

React Navigation

**Machine Learning**

scikit-learn

## LANGUAGES

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