

Matthew Kwong

Frontend Engineer & System DBA

📍 Hong Kong

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RECENT EXPERIENCE

Frontend Engineer

Oct 2022 – Present | TecPal Ltd.

Programmer (Business and Administrative Systems)

May 2022 – Sep 2022 | EDPS Limited | Seconded to Hospital Authority

- Maintain, enhance, and manage 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 2021

EDPS 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 cut 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

Redux

MUI

Cypress

Gatsby

React Hook Form

Database

MySQL

MS SQL

MongoDB

Oracle

Sybase

Mobile

React Native

NativeBase

React Navigation

Backend

Spring Boot

Express

Cloud

Contentful

OpenShift

DataOps

Delphix

CERTIFICATIONS

MongoDB Certified DBA Associate

MongoDB

In Progress

LANGUAGES

Cantonese Native

English Full professional

Mandarin Full professional