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

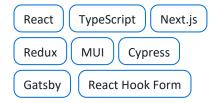**Bachelor of Engineering in Computer Science**
Second Class Honours (Division One)
2015 – 2019 | The University of Hong Kong

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