Matthew Kwong
Frontend Engineer & System DBA

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RECENT EXPERIENCE

Frontend Engineer
Oct 2022 – Present | TecPal Ltd.

- Decoupled Vue web apps from WordPress API to standalone RESTful API
- Implemented Vue web apps features:
  - Authorization system

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 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 cutting down admin work by 90%

EDUCATION

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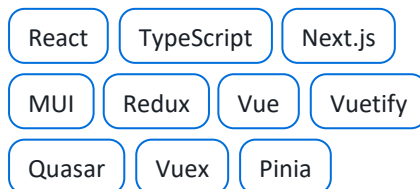2022 – Present | Hong Kong University of Science and Technology

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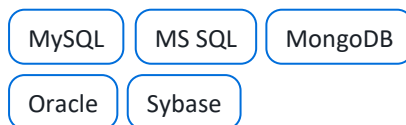Second Class Honours (Division One)
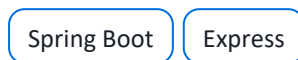2015 – 2019 | The University of Hong Kong

KEY SKILLS

Frontend
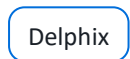React | TypeScript | Next.js | MUI | Redux | Vue | Vuetify | Quasar | Vuex | Pinia

Database
MySQL | MS SQL | MongoDB | Oracle | Sybase

Backend
Spring Boot | Express

Quality Assurance
Cypress

DataOps
Delphix

Cloud
Contentful | OpenShift

Mobile
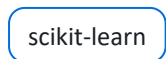React Native | NativeBase | React Navigation
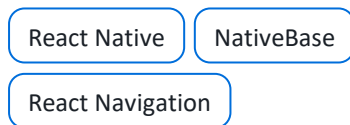
Machine Learning
scikit-learn

LANGUAGES

Cantonese   Native
English   Full professional
Mandarin   Full professional