Matthew Kwong

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Recent Experience

Senior Web Engineer, Viu   09/2023 – Present

- Collaborated with cross-functional teams to elevate UX and maintain legal compliance, while also advancing SEO and Core Web Vitals for Viu.com by utilizing technologies such as Next.js.
- Addressed and rectified critical bugs in alignment with the PMs' priorities, ensuring optimal site functionality and performance.
- Worked closely with the product team and the team lead to clarify and confirm a precise grasp of product requirements.
- Conducted thorough peer code reviews to ensure code quality while mentoring junior engineers, fostering professional growth, and enhancing team productivity.
- Streamlined the CI/CD pipeline, cutting deployment times by 33%, leading to faster and more efficient deployment processes.

Frontend Engineer, TecPal Ltd.   10/2022 – 09/2023

- Developed essential features for Monsieur-Cuisine.com such as authorization and customer review management system by leveraging Vue and React, elevating UX, and facilitating business expansion.
- Collaborated with PMs, backend engineers, and QAs to refine and ensure a clear understanding of product requirements.
- Participated in assessing task complexity and time required to complete tasks, contributing to effort estimation discussions.
- Spearheaded comprehensive peer code review processes, rigorously scrutinizing, and providing constructive feedback to ensure adherence to best practices and maintain superior code quality standards.
- Led the adoption of Turborepo to facilitate the shift to a monorepo architecture, significantly improving the efficiency of the development process.

Programmer (Business and Administrative Systems)   05/2022 – 09/2022
Programmer (Database Management System)   08/2021 – 05/2022
Junior Programmer (Database Management System)   07/2019 – 08/2021

Hospital Authority

- Managed HA.org.hk and multiple intranet web applications, ensuring their smooth operation and meeting the needs of stakeholders.
- Led the strategic planning and timely execution of a web application operating system and database migration within one week, delivering a seamless transition and minimizing disruption.
- Conducted a successful database knowledge-sharing session for more than 100 technical professionals, expanding team expertise and fostering collaboration.
- Supported over 10 application teams on MySQL deployment and maintenance, ensuring optimal database performance and minimizing downtime.
- Developed a time off application system using React, Express, and MySQL, providing an automated and streamlined solution for managing employee time off requests.

Key Skills

Frontend

MUI, Next.js, React, SEO, TypeScript, React Hook Form, TanStack Query, Zod, Zustand, Pinia, Quasar, React Router, Redux, Tailwind CSS, Vue, Vuetify, Vuex

Database

MySQL, Disaster Recovery, High Availability, MS SQL, Oracle DB, MongoDB, PostgreSQL

Backend

CASL, class-validator, Express, NestJS, Prisma, Spring Boot

Content Management System

Contentful, Strapi, WordPress

DevOps

Docker, Bitbucket Pipelines, GitHub Actions, Jenkins, AWS (CloudFront, ECR, S3)

Quality Assurance

Cypress

Education

MSc in Information Systems Management

HKUST · 08/2022 – Present

Technology Innovation and Entrepreneurship Concentration

BEng in Computer Science

HKU · 09/2015 – 12/2019

2nd Class Honours (Division One)

Highlighted Open-Source Contributions

- MUI Core
- Prisma Read Replicas Extension
- Vercel Style Guide