Timothy Li

Software Engineer

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SUMMARY

- **Software engineer** with experience in **React.js**, **Node.js** and **test-driven development**
- Responsible of continuous integration and delivery, with strong experience in **DevOps**
- Very self-motivated to learn software development knowledge, such as **PHP**, from nothing to become an expert

WORK EXPERIENCE

Software Engineer, Storeforce | Retail solutions company | Aug 2022 - Jan 2023

HTML / .Net Core / SQL / Azure DevOps

- Increased the speed of getting data from database in the store auditing page by 90% with **lazy loading logic**
- Rewrote the SQL queries to enhance the performance of the app by getting more than 100% improvement in the loading speed
- Added new features (like **filtering a**nd **employee borrowing)** in one of the retail solutions (the retail dashboard)
- Cooperated with backend developers on changing the web APIs to **headless APIs** and DevOps developers to update the app daily in an **agile environment**

Software Developer, Cable Television | Local TV broadcast company | Sep 2021 - Jun 2022

NodeJS / TypeScript (React) / PHP / MySQL / AWS

- Designed and developed a new company website with **Figma** and **Next.js**
- Deployed a website on **AWS** for better maintenance and cost reductions
- Performed **Search Engine Optimization** of the company website, and utilized CMS system to **increase tracking accuracy by 60%**
- Redesigned the company mobile app with **React Native** and **GraphQL** to **increase data customization for app rendering by 80%**
- Worked closely with UI designers to discuss the app design and backend developers on enhancing API with **GraphQL** in an agile environment with 2-week period sprints

Backend Developer, Ecosa | Online retail company | Jun 2021 - Sep 2021

PHP / MySQL / JavaScript (Vue)

- Improved the **search function** performance in CMS to **reduce the SQL query execution time by database by 40%**
- Developed a **notification function** for weekly shipments in **Slack** to keep track on stock capacity
- Troubleshot and optimized the SQL queries to solve the Unicode standard issues in the Japanese CMS system
- ** Learnt **PHP** without any prior PHP experiences and finished the CMS system modifications

Bridge Engineer, Meinhardt | Engineering firm | Nov 2019 - Feb 2021

- Designed and made modifications for the bridge system located in Hong Kong Island

Civil Engineer, Atkins | Engineering firm | Jul 2018 - Nov 2019

EDUCATION

Tecky Academy Feb 2021 - Jun 2021

Hong Kong University of Science and Technology Sep 2014 - Aug 2018

- Bachelor of Engineering, Civil Engineering, graduate with Second Class Honor (Division 1) (with GPA 3.74/4.0 in Mathematics minor individually)

SIDE PROJECTS

Splendor (GitLab repo)

HTML / NodeJS / PostgreSQL / AWS / Docker / GitLab CI

- Built a web app as the online platform for visitors to play board game Splendor

Loyalty Reward (GitLab repo)

TypeScript (React) / React Native / PostgreSQL / Java / AWS / Docker / GitLab CI

- Built a cms system for clients to make modifications in the surgery types, reward types and get basic customers' information
- Built a mobile app for customers and agents to make appointments and make phone calls to find new customers

SKILLS

Software Engineering

- Frontend: HTML5, CSS, JavaScript, TypeScript, React.js, Next.js, Angular, Material UI, Node.js
- Backend: C#, .Net, Knex, Express, Python, PHP, Restful APIs, GraphQL, Java, Spring Boot
- DevOps and Cloud: Git, Github Actions, Docker, AWS, Azure DevOps
- Database: Postgresql, Mysql, MSsql

Languages

- English (Fluent), Cantonese (Native), Mandarin (Fluent)