

Timothy Li



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SUMMARY

Software engineer with experience in **React**, **Node.js** and **test-driven development**. Responsible for continuous integration and delivery, with strong experience in **DevOps**. Very self-motivated to learn software development knowledge from nothing to proficiency.

WORK EXPERIENCE

Software Engineer, [Storeforce](#) | Toronto, ON | August 2022 - January 2024

.Net / TypeScript (React) / JavaScript (KnockoutJS) / Xamarin / React Native / SQL / Azure DevOps / GCP

- Spearheaded project execution for a web application with **React** by integrating **Agile methodologies** and utilizing **Azure Boards** for task tracking
- Rewrote the SQL queries in the **stored procedures** to enhance the performance of the app in the querying and storing in the database by getting more than 100% time improvement in the loading speed in the CMS
- Cooperated with backend developers and scrum master on developing **headless APIs** to build performant solutions
- Tested the codes in unit testing to keep track of **CI/CD** development and responded 5+ peers' code reviews in 100+ pull requests
- Developed main components of the Xamarin mobile application and a high quality **React Native** mobile application

Software Engineer, [Cable Television](#) | September 2021 - June 2022

Node.js / TypeScript (React) / PHP / Wordpress / GraphQL / MySQL / AWS

- Archived system integration for a microservices architecture, implementing resilient distributed systems that **enhanced fault tolerance by 40%**, leveraging **Docker and Kubernetes** over a period of 6 months
- Performed **Search Engine Optimization** of the company website to **increase tracking accuracy by 60%**
- Redesigned a mobile app with **React Native** and **GraphQL** to increase data customization for app rendering by 80%
- Facilitated **cloud technologies** adoption by migrating the applications to **AWS**, achieving a **20% reduction in operational costs** and enhancing system reliability
- Developed and optimized complex data sets to improve **processing speed by 35%** using SQL and implemented elastic search, maintaining data integrity and accuracy for real-time analytics

Backend Engineer, [Ecosa](#) | June 2021 - August 2021

PHP / MySQL / JavaScript (Vue) / PrestaShop / AWS

- Improved the **search function** performance in CMS to **reduce the SQL query execution time** in the relational database **by 40%**
- Developed a **notification function** for weekly shipments to keep track on stock capacity
- Diagnosed and troubleshoot server issues for the high-traffic web applications utilizing tools such as **AWS CloudWatch**, **reducing system downtime by 30%**

Civil Engineer, [Meinhardt](#) | November 2019 - January 2021

Assistant Civil Engineer, [Atkins](#) | September 2018 - October 2019

EDUCATION

Tecky Academy February 2021 - June 2021

Bachelor of Engineering, Civil Engineering, Hong Kong University of Science and Technology September 2014 - June 2018

PROJECTS

Openrice Canada (Github)

- Helped users to locate the favourite restaurants and restaurants' owners to upload their restaurants information

TTC ETA Tracker (Github) - a website for users to check the TTC (Toronto Transit Commission) estimated time arrival

SKILLS

- Frameworks: React, Redux, NextJS, Vue, Node.js, Express, NestJS, RESTful APIs, GraphQL, Spring, .Net
- Database: PostgreSQL, MySQL, MongoDB
- DevOps and Cloud: Docker, GitHub Actions, Gitlab CI, AWS, Azure DevOps
- Others: Java, C#, TypeScript, JavaScript, Python, Git, HTML, CSS

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