Gancheng Luo (Andy)

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Skills

Programming Languages: TypeScript, JavaScript, Java, PHP, Python

Databases: MySQL, MongoDB, Prisma, TypeORM, MyBatis

Frameworks: React, Redux, Tailwind CSS, Vue.js, LangChain, OpenAI API, Spring Boot, Serverless Framework, RabbitMQ

Cloud Services: AWS (Lambda, S3, SNS, SQS, Alexa), Google Analytics

Tools: Docker, Postman, Swagger, Elasticsearch, npm, Maven, Github Actions

Work Experience

commonsku | *Full Stack Developer*   **Toronto, Canada** | *Jan 2023 – Now*

- Developed a **TypeScript**-based frontend template engine, employing a **configuration-driven** methodology that **halved** development time by streamlining processes.
- Architected a **service-oriented** backend for web image search, enabling seamless provider integration that boosted engagement of our lead product by **30%**.
- Directed the development of the leading shop template for our flagship product, achieving a **20%** uplift in customer engagement and satisfaction.
- Led a cross functional team in a **5**-day **hackathon** focused on developing innovative solutions with **LangChain**, **OpenAI API**, **AWS Lambda, Github Actions, and Serverless Framework**, achieved a **top-five** ranking.
- Initiated and led the adoption of standardized technical documentation practices, significantly enhancing project efficiency and fostering team knowledge sharing.

SnapPay Inc. | *Jr Front-end Developer*   **Mississauga, Canada** | *Sep 2021 – Dec 2022*

- Engineered a **Vue.js** and **TypeScript** marketing web application, driving daily user growth from **3%** to **10%** within the first quarter post-launch.
- Implemented a User Activity Tracking and DeepLink System with **Google Analytics** in response to user engagement challenges, doubling Monthly Active Users (MAU) within six months.
- Revolutionized the front-end build process using **Webpack**, slashing dev-server boot times by **97%** and **halving** bundle sizes, markedly boosting developer productivity and app speed.
- Optimized web application structure to minimize HTTP requests from **O(n)** to **O(1)**, significantly enhancing page load times and user experience.
- Crafted **RESTFUL APIs** for **microservices** using **Java**, **Spring Boot**, and **MyBatis**, and maintained a **CMS** using **AWS S3, AWS SNS**, and **MyBatis**, ensuring robust backend functionality.

Projects

React Portfolio Template | https://github.com/Andy8647/react-portfolio-template   *Jan 2023 – Feb 2023*

- Enhanced user tracking and sharing capabilities by integrating **Google Analytics** and **social media meta tags**, resulting in significant **SEO** improvement.
- Contributed the enhanced portfolio template to the open source community on GitHub, receiving substantial engagement with **74 stars** and **35 forks** so far.

Education

University of Toronto | *Honours Bachelor of Science, Computer Science, Statistics, Math*   **Toronto, Canada** | *Jun 2021*