

# Gancheng Luo (Andy)

+1 (647) 870-3941 | [andy8647lgc@gmail.com](mailto:andy8647lgc@gmail.com) | [in/gancheng-luo-andy/](https://in/gancheng-luo-andy/) | [github.com/Andy8647](https://github.com/Andy8647) | <https://andy8647.com>

## Work Experience

**commonsku** | *Full Stack Developer*

**Toronto, Canada** | *Jan 2023 – Now*

- Independently led and executed complete project cycles, utilizing Agile methodologies and robust technical design principles to significantly enhance system performance and user experience, demonstrating a strong commitment to project excellence and client satisfaction.
- Innovated a **React** and **TypeScript** framework, reducing development time by **80%**, and facilitating rapid prototyping and deployment, enhancing team productivity and client satisfaction.
- Spearheaded a cross-functional team in a **5-day** hackathon to create an Amazon Alexa Skill using **AWS Lambda**, **Serverless Framework**, **Github Actions**, integrating PromoStandards **SOAP** API, achieved top-five ranking.
- Seamlessly integrated Unsplash's API and crafted a dynamic front-end image search UI, boosting the performance and usability of the company's top revenue product by **15%**.
- Played a key role in developing the most popular shop template for the company's top revenue product, resulting in a **20%** increase in customer engagement and satisfaction.
- Led the establishment of standardized **technical design documentation** practices, boosting project efficiency and team knowledge exchange.

**SnapPay Inc.** | *Jr Front-end Developer*

**Mississauga, Canada** | *Sep 2021 – Dec 2022*

- Developed a **Vue.js** and **TypeScript**-based marketing web application, catalyzing daily user growth from 3% to an impressive **10%**.
- Designed and implemented a User Activity Tracking System and DeepLink System using **Google Analytics**, contributing to a **50%** surge in Monthly Active Users (MAU).
- Enhanced the front-end build process with **Webpack**, achieving a **97%** faster dev-server boot speed and a **50%** reduction in bundle size, significantly improving developer efficiency and application performance.
- Optimized content-related web application structure, reducing the number of HTTP requests from  $O(n)$  to  $O(1)$ .
- 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.
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## 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 **73 stars** and **36 forks**, reflecting the project's impact and value.

## Skills

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

**Databases:** MySQL, MongoDB, Prisma, TypeORM, MyBatis

**Frameworks:** React, Redux, Vue.js, NestJS, SpringBoot, Serverless Framework, RabbitMQ, Zend Framework

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

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

## Education

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

**Toronto, Canada** | *Jun 2021*