

# Gancheng Luo (Andy)

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## Work Experience

**commonsku** | *Full Stack Developer*

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

- Independently executed complete project cycles, leveraging technical design skills to enhance system performance and user satisfaction.
- Innovated a **React** and **TypeScript**-based framework, significantly cutting development time by **80%** through automated component generation.
- Led the establishment of standardized **technical design documentation** practices, boosting project efficiency and team knowledge exchange.
- Delivered robust technical design and thorough code reviews, ensuring timely project delivery with high quality.
- Led team in a **5-day** hackathon to create an Amazon Alexa Skill using **AWS Lambda** and **Serverless Framework**, integrating PromoStandards **SOAP** API, achieving top-five ranking.

**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 number of HTTP request 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.

## Projects

**React Portfolio Template** | <https://github.com/Andy8647/react-portfolio-template>

*Jan 2023 – Feb 2023*

- Revitalized an existing React portfolio template, adding advanced features to enhance functionality and user experience.
- Contributed the enhanced portfolio template to the open source community on GitHub, receiving substantial engagement with **69 stars** and **32 forks**, reflecting the project's impact and value.
- Enhanced user tracking and sharing capabilities by integrating **Google Analytics** and **social media meta tags**, resulting in significant **SEO** improvement.

## Skills

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

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

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

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

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

## Education

**University of Toronto**

**Toronto, Canada**

*Bachelor of Science, Computer Science, Statistics, Mathematics*

*Sep 2016 - Jun 2021*