

# Gancheng Luo (Andy)

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## Work Experience

### commonsku

Toronto, Canada

Full Stack Developer

Jan 2023 – Now

- Worked in an Agile development team to continuously deliver interactive and accessible features for a web-based promotional CRM platform, implemented with **React**, **Redux**, and **PHP**.
- Contributed to the technical design and development of essential application features, working collaboratively with cross-functional teams to deliver high-quality solutions that align with business requirements and customer needs.
- Initiated the development of a modernized **Confluence** documentation space, creating standardized templates for **technical design** and **project requirement** documents to streamline project management.
- Optimized the codebase by refactoring legacy code (**jQuery**) with **React** and **Redux**, modernized the development workflow and improved application scalability.
- Actively participated in thorough design and code reviews to uphold superior code standards, authored comprehensive technical documentation to facilitate knowledge sharing, and provided essential guidance to new team members during the onboarding process.

### SnapPay Inc.

Toronto, Canada

Jr Front-end Developer

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** and **Vite**, achieving a **97%** faster server boot speed and a **50%** reduction in bundle size, significantly improving developer efficiency and application performance.
- Crafted **REST APIs** for internal and external **microservices** using **Java**, **Spring Boot**, and **MyBatis**, and maintained a **CMS** using **AWS S3**, **AWS SNS**, and **MyBatis**, ensuring robust backend functionality.

## Projects

**PromoStandards Hack-A-Thon: Team Ctrl+Alt+Defeat:** <https://github.com/Andy8647/alexa-order-status> Oct 2023

- Engaged in a competitive hackathon, swiftly developing a functional **Amazon Alexa Skill** over a five-day sprint.
- Utilized **AWS Lambda** and **Alexa Skill Kit** to facilitate voice-based user interactions with the application.
- Integrated **PromoStandards SOAP API** (parse **XML**) to allow users to check their order status through voice commands.
- Implemented voice response features to audibly present order status updates to users, enhancing user experience.

**React Portfolio Template:** <https://github.com/Andy8647/react-portfolio-template> Jan 2023 – Feb 2022

- Evolved an existing React portfolio template, infusing new features to boost functionality and user experience; the project garnered **69** stars and **32** forks on GitHub.
- Integrated **partical.js** for dynamic backgrounds, **Google Analytics** for user tracking, and social media meta tags for enhanced sharing capabilities.
- Enabled automatic dark theme detection to align with user system preferences.
- Contributed to the open source community by sharing the code on GitHub, receiving positive feedback and appreciation from users and wrote instructions step-by-step.

## Skills

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

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

**Frameworks:** React, Redux, Next.js, NestJS, Express.js, Node.js, SpringBoot, RabbitMQ, Zend, Vue.js, Vite, Webpack

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

**Tools:** Docker, Postman, Swagger, Elasticsearch, npm, Maven, Figma

## Education

University of Toronto

Toronto, Canada

Bachelor of Science, Computer Science, Statistics, Mathematics

Sep 2016 - Jun 2021