

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.
- Integrated Unsplash into the company's application, enabling flexible addition or substitution of image service providers, significantly enhancing the user experience.
- Troubleshoot system bugs and optimized MySQL queries and controllers to enhance application performance and response time.

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 API 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 ParticalJs 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

Languages: JavaScript, TypeScript, HTML/CSS, Python, PostgreSQL, MySQL, MongoDB, PHP, Java, C, Haskell

Libraries: React, Redux, Next.js, NestJS, Express.js, Node.js, SpringBoot, Flask, RabbitMQ

Development Tools: Git, Docker, GitHub, Postman, AWS, Nginx, Chrome Devtools, Linux Shell, Figma

Education

University of Toronto

Toronto, Canada

Bachelor of Science, Computer Science, Statistics, Mathematics

Sep 2016 - Jun 2021