

# KE(ALEX) SHANG

778-318-9985

Software Engineer / Front-End Developer

Vancouver, BC

<https://github.com/Alex9986>

<https://www.linkedin.com/in/alex-shang-6b31671ab/>

keshang9986@gmail.com

## TECHNICAL SKILLS

\*Currently acquiring

Languages	Java, JavaScript, TypeScript, Angular*, React*, C#, C, C++, Python, R
Databases	SQL, MySQL, MongoDB*
Tool/Environment	VSCode, Docker, Postman, Eclipse, IntelliJ, Gitlab, GitHub, Unity, Notepad++
Competencies	OOP Programming, Program Pattern Design, Debugging, Git, JSON, Unit Testing

## WORK EXPERIENCE

### SmileCDR (Co-op Software Developer)

Sep 2021- Sep 2023

- Developed and maintained responsive web applications using Angular and TypeScript.
- Collaborated with designers and back-end developers to implement UI/UX designs and ensure seamless integration resulting in a cohesive user experience.
- Optimized websites for performance and speed including image optimization, minimizing API requests, and implementing code-splitting techniques and server-side pagination.
- Conducted thorough unit testing and debugging using browser developer tools and automated testing frameworks to ensure glitch-free applications.
- Worked closely with the project management team to deliver high-quality projects on time.
- Stayed up to date with emerging technologies and industry trends to enhance development.

## PERSONAL PROJECTS

### Recipe-Managing App (Typescript, HTML)

Oct 2021 – Apr 2022

- Developed the application in Angular framework (demo: <https://tinyurl.com/4ken4tu4>).
- Used data-binding to manage data inside the App.
- Shared variables between different components by using services.
- Handled mouse click event when changing the routes.
- Applied observables to some services when changes are made to specific components.
- Enhanced the form by adding validating, updating, and syncing HTML with the form.
- Added preset elements when the App is rendering for the first time.
- Allowed the user to edit, delete, and add to the shopping list of any recipes.

Technologies: TypeScript, Visual Studio Code.

### Budget-Controller

Nov 2020 – Jan 2021

- Implemented the application in JavaScript (demo: <https://tinyurl.com/9etw5beb>)
- Manipulated event listeners so the user could click some buttons.
- Showed the income in green and expenses in red to visualize the difference.
- Avoided crashes by making a UML sequence diagram to analyze the current structure of the program when adding new functionality.

Technologies: CSS, JS, HTML, Notepad++

## EDUCATION

### BSc (major: Mathematics)

Sep 2019 – May 2024

University of British Columbia, Vancouver.