

# William Chan

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## Senior Software Engineer

Accomplished Senior Software Engineer specializing in optimizing insurance inspection workflows within Agile environments. Proficient in React and adjacent technologies, excelling in enhancing user experience through strategic redesigns. Integrates Microsoft's Graph API and Google Maps API to boost operational efficiency. Pioneered innovative inspection processes, eliminating daily failures, and migrating extensive databases to improve system performance. Fosters cross-departmental collaboration and provides comprehensive technical support for seamless project execution. Passionate about Full Stack Development and User Experience Design, with a focus on mobile app development, particularly Android. Proficient in tools like Figma, Inkscape, and continuously advancing mobile app development skills through self-directed learning.

## Technical Proficiencies

<b>Languages:</b>	TYPESCRIPT, JAVASCRIPT, HTML, CSS, SQL, COLD FUSION, JAVA
<b>Frameworks:</b>	REACT.JS, REACT NATIVE, JQUERY, BOOTSTRAP
<b>Platforms:</b>	DOCKER
<b>Tools:</b>	AWS, FIGMA

## Career Experience

**BMI Company, Inc, Billings, MO**  
Senior Software Engineer

**Jul 2021 — Present**

Streamline inspection process by implementing Microsoft's Graph API, resolving issues of incomplete transfers of inspection packets in Agile setting. Optimize and reduce data size of previous MySQL database inspection system by 50%. Resolve technical concerns for staff and small insurance firms via chat or phone support. Investigate technical problems concerning the integration of OneDrive during the audit procedure. Enhance web pages of insurance portal by revamping with third-party template and CSS web framework for better usability and responsive design. Participate in cross-departmental meetings to engage in discussions about new feature enhancements and upcoming projects. Utilize Docker to streamline processes, eliminate the need for manual workarounds to meet style requirements, and import converted CSS from updated SASS files, saving 2 hours weekly. Interact with OneDrive through synchronized data storage and linked shortcuts to Microsoft SharePoint for 60 inspectors. Troubleshoot faulty shortcuts and slow synchronization, aiding inspectors with internet issues in Missouri.

- Revamped insurance inspection workflow, resolving at least three daily delivery failures to system.

## Projects

### Simple Goals

**May 2023 — Nov 2023**

Developed an Android app with React Native, facilitating user goal monitoring. Integrated offline data storage for user information using AsyncStorage and serialized JSON. Designed custom icons in Inkscape to adapt to user's theme choice and utilized Figma for wireframing app interface and developing the foundation.

- Technologies: TYPESCRIPT, REACT.JS, REACT NATIVE, CSS, FIGMA & INKSCAPE

### Healthcare Transportation Web App

**Jan 2021 — May 2021**

Led as Product manager, spearheaded development of employee rides web application for worker's compensation, orchestrating seamless integration with cloud-based technologies such as Node.js or AWS. Engineered middleware functions to facilitate NoSQL database interaction through Express, thereby enhancing the application's functionality and data management capabilities.

- Technologies: NODE.JS, MONGODB, EXPRESS, PUG, CSS, JAVASCRIPT, JQUERY & AWS.

## Education

Bachelor of Software Engineering  
University of Texas, Dallas, TX