

# HOWIE NGUYEN

Riverside, CA

📞 513-282-5266 ✉️ [nguyen.howie2010@gmail.com](mailto:nguyen.howie2010@gmail.com) [in linkedin.com/in/howie-nguyen](https://www.linkedin.com/in/howie-nguyen) [🌐 https://howie-portfolio.vercel.app/](https://howie-portfolio.vercel.app/)

## EDUCATION

**University of California, Riverside**

*Bachelor of Science in Computer Science*

**Sep. 2020 – June 2023**

*Riverside, California*

## EXPERIENCE

### SIZZLE

**July 2023 – Present**

*Web Developer*

*Riverside, California*

- Developed the Dietitian Dashboard using React and Typescript, streamlining clinicians' access to patient data via user-friendly timelines, detailed charts, and organized data cards.
- Incorporated the React Redux Toolkit, enhancing UI state management and API integration, boosting dashboard speed and efficiency by 20%.
- Implemented advanced search and filtering functionalities, enabling clinicians to swiftly locate patient data, streamlining diagnostic processes, and enhancing patient consultation efficiency.
- Utilized SCSS to design clear typography and select a cohesive color theme, ensuring readability and brand consistency.

### SIZZLE

**Sep 2022 – May 2023**

*IOS Developer*

*Riverside, California*

- Collaborated in a cross-functional team of 4 to create a versatile, cross-platform app facilitating communication between dietitians and patients for gut health and weight management.
- Utilized Kotlin multiplatform technology for native app development across Android, iOS, and web platforms, enhancing accessibility and scalability.
- Built a secure messaging feature with MongoDB, handling login, registration, and messaging interfaces. Implemented backend logic for API calls and WebSocket integration, ensuring efficient data flow.
- Generated weekly documentation (20+ documents) on database structure, software, and network issues, ensuring project organization and accessibility for the team.

## PROJECTS

**Real-time Chat Application** | *MongoDB, React, Express.js, Node.js, Heroku, Netlify*

**June 2023**

- Architected a full-stack real-time chat application with a dynamic user interface using React, and utilized Node.js and Express.js to handle client requests, manage data storage, and facilitate real-time client communications
- Designed interactive components such as chat bubbles, chat bubble reactions, and emoji selectors that improved user engagement by 25% and enriched the overall chat experience.
- Integrated the UI with 18 back-end API endpoints, ensuring synchronous communication between the front and back end, resulting in real-time updates and instantaneous message delivery.
- Enhanced UX by incorporating features like infinite scrolling for chat history, on-the-fly image and media previews, and real-time user typing indicators.

**Calendar Exercise Logger (GymBois)** | *React Native, Firebase, Javascript, Expo Go*

**May 2023**

- Designed a versatile fitness tracker mobile app with 11 distinctive features such as exercise tracking and log maintenance, to enhance users' fitness journeys, using React Native and Firebase.
- Amplified user interactivity by embedding a personalized dashboard, dynamically displaying progress graphs, milestones, and recommendations based on individual user exercise data, promoting a tailored user experience.
- Utilized responsive design principles to ensure a seamless, efficient, and intuitive user experience, demonstrating meticulous attention to detail by ensuring compatibility across multiple devices and screen sizes.
- Leveraged Firebase for secure back-end services, facilitating real-time data synchronization, user authentication, and robust data storage.

**Warehouse Management** | *Java, Postgres SQL*

**December 2022**

- Co-developed and organized and handled 20,000+ data entries, encompassing product, user, and order data for multi-chain retail stores by developing a comprehensive Java/PostgreSQL database system
- Designed and implemented a suite of Java functions to manage product updates and view stores/products, enhancing inventory management efficiency and improving user accessibility to store and product information.
- Implemented SQL triggers and indexes, cutting query execution times by 20%, improving user experience, and speeding up data processing.

## TECHNICAL SKILLS

**Languages:** C++, Python, Java, Typescript, HTML/CSS, JavaScript, Swift, Kotlin. Postgres SQL, Typescript

**Developer Tools:** VS Code, VS Community 2019, Pycharm, Xcode, Android Studios, Clion, IntelliJ. Arudino