

# QUI NGUYEN

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## TECHNICAL SKILLS

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**Front End** | React, React Native, NextJS, JavaScript, TypeScript, jQuery, SCSS, Tailwind, Kotlin

**Back End** | Java, Python, Firebase, MongoDB, Express.js, NodeJS

**Testing/Deployment** | Jest, JUnit, Vite, Turborepo, Webpack

**Developer Tools** | Git, npm, Agile Methodology, TDD, Jira, Figma, Framer

## EXPERIENCE & PROJECTS

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### Full Stack Software Engineer, UI Lead | Self-employed

Mar 2023 - May 2023

*Android companion app for WPI Information Technology Services*

Kotlin | NodeJS | Python | MySQL

- Collaborated closely with the WPI ITS department to develop a minimal viable product (MVP) for an automated solution recommendation system.
- Utilized the Model-View-Controller (MVC) design pattern to manage user interface rendering and updating.
- Implemented ubiquitous computing techniques, such as geofencing, to provide location and context-aware solutions.

### Front End Software Engineer Intern, Team Lead | Worcester Red Sox

Aug 2022 - Dec 2022

*Cross-platform, mobile hub integrated with Polar Park stadium*

TypeScript | React Native | Shopify Restyle | Jest

- Increased user engagement by rehauling its predecessor to prioritize the fan experience.
- Developed reusable components and wrote comprehensive test cases using Jest, resulting in reduced number of manual tests and improved app performance.
- Created new API endpoints to serve ticket availability and venue data to the mobile application by leveraging SpotOn and Tickets.com enterprise APIs.
- Projected a 5% boost in profits by anticipating an upsurge in downloads and usage.

### Full Stack Software Engineer, Team Lead | Brigham & Women's Hospital & WPI

Jan 2022 - Mar 2022

*Hospital management system desktop application*

Java | Firebase | OracleSQL | JDBC | JUnit

- Translated gathered requirements into actionable artifacts, including user stories, scenarios, and storyboards, contributing to effective project planning and execution.
- Engineered a user-friendly map editor system for facilitating visual request editing and floor navigation.
- Designed a comprehensive database system to effectively oversee hospital requests, user accounts, and hospital map information.
- Created class-agnostic functions capable of handling and uploading data to one of three synchronized databases.

### Full Stack Software Engineer Intern | Achilles Travel Health

Jul 2021 - Jul 2022

*Health-focused travel companion application*

JavaScript | React Native | Expo | Firebase

- Fostered a collaborative partnership with outsourced designers to ensure alignment with the product's vision.
- Created new API endpoints to pull data from CDC, WHO, and JHU APIs.
- Engineered a backend solution for seamless synchronization between an external spreadsheet and Firebase, simplifying internal modifications for non-technical stakeholders.

## EDUCATION

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Worcester Polytechnic Institute - Master of Science, Computer Science, GPA 4.0

2024

Worcester Polytechnic Institute - Bachelors of Science, Computer Science, GPA 4.0

2024