

Ross Brown

Dallas, TX (open to remote) | 512-751-9050 | rbrown_98@yahoo.com | [LinkedIn](#) | [Github](#) | [Website](#)

TECHNICAL SKILLS

Languages - JavaScript, TypeScript, Python, SQL, PostgreSQL, HTML, CSS

Libraries - React, React Testing Library, jQuery, WTFForms

Frameworks / Tools - Node, Express, GraphQL, Jest, Flask, Jinja, SQLAlchemy, Tailwind CSS, Bootstrap CSS, unittest, VSCode, Git, GitHub

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern

October 2023 – November 2023

Foqal.io | React, TypeScript, GraphQL, Bootstrap

Remote

- Navigated a 50,000-line codebase within a team of nine developers, adhering to agile methodologies through weekly sprints and daily stand-ups.
- Redesigned navigation bar for Foqal's client-facing application with React, TypeScript, and Bootstrap, based on Figma designs by updating icons, colors, and a new collapse animation for a more modern visual design.
- Leveraged React's Context API to dynamically apply styles, allowing users to select their preferred UI and provide feedback on the new design.

TECHNICAL PROJECTS

ShareBnB

[Live Demo](#) | [Frontend](#) | [Backend](#)

- Implemented AWS S3 to streamline user-uploaded image storage, ensuring automated scalability and efficient asset distribution across multiple AWS servers.
- Enhanced code quality and maintainability by using TypeScript for type safety.
- Engineered a RESTful API with Express.js for seamless interaction with user data, listings, messages, and authentication.

Jobly

[Live Demo](#) | [Frontend](#) | [Backend](#)

- Developed UI with React and React Router, providing a seamless user experience when navigating between pages, decreasing page load time by 50%.
- Attained 99% test coverage for the backend API utilizing test-driven development, incorporating both unit and integration tests, to ensure robust code quality and reliability.
- Implemented user authentication/authorization with JSON Web Tokens to protect certain backend API routes, ensuring data protection and access control.

Warbler

[Live Demo](#) | [Backend](#)

- Utilized object-oriented methods for interacting with a PostgreSQL database using SQLAlchemy, simplifying database interactions to streamline the development process.
- Achieved 99% test coverage using Python's unittest library.
- Established form validation using CSRF tokens from WTFForms to protect user and database information.

ADDITIONAL WORK EXPERIENCE

Private Lesson Teacher

July 2021 – June 2022

Richardson Independent School District

Dallas, TX

- Led a masterclass for 30 high school students, imparting creative insights on effective audition music practice techniques, resulting in four students advancing to the TMEA Area auditions.
- Mentored high school trumpet players one-on-one, enhancing their musicianship by meticulously refining performance details and providing personalized practice strategies to overcome technical challenges.

EDUCATION

Rithm School - Full Stack Web Development Bootcamp

Dec 2023

Southern Methodist University - M.M. Degree

May 2023

University of Texas at Austin - B.M. Degree

May 2021