

# ROSS BROWN

Software Engineer

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## TECHNICAL SKILLS

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**Languages** – JavaScript (ES6), TypeScript, Python, SQL, HTML, CSS, jQuery

**Frameworks/Tools** – React, Node, Express, Flask, Jinja, Bootstrap, PostgreSQL, SQLAlchemy, Jest, unittest, Git, GitHub

## PROJECTS

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**ShareBnB:** React, TypeScript, Tailwind CSS, Express, PostgreSQL, AWS

- Orchestrated the entire project lifecycle, including technology decisions, React component design, and RESTful API design.
- Leveraged AWS S3 to facilitate user-uploaded image storage for listings.

**Jobly:** React, Express, PostgreSQL

- Designed a single page React application, allowing users to browse job listings and submit applications.
- Implemented user authentication/authorization using JSON Web Tokens to protect certain backend API routes.
- Achieved over 99% test coverage for backend API utilizing test-driven development with unit and integration tests.

**Warbler:** Flask, PostgreSQL, SQLAlchemy

- Employed SQLAlchemy ORM to leverage object-oriented methods for users, allowing them to create/like posts, and follow other users, while also providing a feed of messages from users they follow.
- Ensured robust protection of user and database information against CSRF attacks by implementing form validation with CSRF tokens through WTForms.
- Attained 99% test coverage across the entire application using Python's unittest library.

## EXPERIENCE

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**Foqal**, San Francisco, CA (Remote)

October 2023 – November 2023

*Full Stack Software Engineer Intern*

- Implemented a new navigation bar for the client facing application, adhering to design specifications from Figma documentation.
- Enhanced user experience by integrating a sorting dropdown, allowing users to sort results by date or relevance.

**Richardson Independent School District**, Richardson, TX

July 2021 - June 2022

*Private Lesson Teacher*

- Instructed and mentored high school and middle school students in trumpet playing.
- Identified and addressed technical challenges, providing students with strategic approaches and exercises to overcome limitations and enhance their playing.

## EDUCATION

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**Rithm School**, San Francisco, CA

Dec 2023

*Full-Stack Web Development Program*

**Southern Methodist University**, Dallas, TX

May 2023

*Master of Music in Trumpet Performance, Major - GPA: 3.93*

**The University of Texas at Austin**, Austin, TX

May 2021

*Bachelor of Music in Music Performance, Major - GPA: 3.98*