

# Frank Imbruglia

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## SOFTWARE ENGINEER

Passionate Software Engineer eager to join a forward-thinking organization where I can thrive in a collaborative setting, expand my skills with the latest technologies, and deliver innovative solutions that consistently exceed client expectations. Primary skills include:

**LANGUAGES:** Javascript, Python, Typescript, SQL  
**TOOLS:** Redux, SQLAlchemy, Sequelize, Sequelize

**FRAMEWORKS:** React, Flask, Django, Nextjs, Express  
**OTHER:** Git, AWS

## PROJECT EXPERIENCE

**Digital Front** • React • Flask • AWS • Redux • SQLAlchemy

[Code](#) • [Live](#)

- Employed [React Hooks](#) and [Redux Thunk](#) for efficient state management, allowing seamless data updates and a responsive user interface.
- Integrated [AWS S3](#) for image storage with secure, pre-signed URLs, optimizing media load times and ensuring secure file access.
- Utilized [SQLAlchemy's ORM](#) to automate database migrations and manage relationships, structuring data efficiently and supporting complex queries.
- Implemented token-based authentication and role-based access control to validate users and secure API endpoints, ensuring personalized and secure user experiences.

**HutHunt** • React • Express • Sequelize • Redux

[Code](#) • [Live](#)

- Employed [CSS Media Queries](#) and [Flexbox](#) for a responsive layout, ensuring cross-device compatibility and an adaptive user experience.
- Used [onChange](#) event listeners in [React](#) for real-time user input updates, providing a seamless and interactive interface.
- Validated [RESTful API](#) requests and structured database interactions using [Sequelize](#) to enforce data integrity and optimize query efficiency.
- Managed global state with [Redux](#), creating a streamlined user experience by synchronizing user data and property listings across the app.

**Clevertnote** • React • Flask • Redux • SQLAlchemy

[Code](#) • [Live](#)

- Built a structured note management system with [React](#) and [Redux](#), using reducers and actions to ensure consistent data flow and easy navigation between notebooks.
- Utilized [SQLAlchemy](#) to define complex relationships between notebooks and notes, optimizing data retrieval and ensuring organized storage for user content.
- Integrated [Flask](#) for RESTful API handling, applying request validation and error handling to enhance reliability and maintain smooth communication with the frontend.
- Employed [React/Vite](#) for fast build times and modular component architecture, enabling a responsive, scalable interface for dynamic note-taking.

## WORK EXPERIENCE

**Freelance** • Full-Stack Developer • Saugus, MA

Feb 2022 – Present

- Delivered web development projects using [React](#) and [Next.js](#), providing custom solutions tailored to client needs.
- Demonstrated effective [communication](#) skills by collaborating with clients to understand requirements, set expectations, and provide regular updates.
- Made strategic [decisions](#) on technology choices and design methodologies to deliver scalable and reliable applications.

## EDUCATION

**APP ACADEMY** • Full Stack Web Development

Completed October 2024

- Completed an intensive software engineering program at App Academy, gaining hands-on experience in full-stack development, including [JavaScript](#), [Python](#), and modern web frameworks.

**North Shore Community College** • Major in Computer Science • Lynn, MA

2018