

Michael Paglione

Full Stack Software Engineer

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PROJECTS

Personal Website

[Vercel Deployment](#) | [Github](#)

Javascript | Next.js | Bootstrap | Vercel | Git

- ◆ Google Lighthouse scores of 100 for SEO and Best Practices and 96 for Performance and Accessibility.
- ◆ Architected Dark Mode feature utilizing CSS variables, useEffect and useState React Hooks.
- ◆ Launched a fully responsive UI through successful implementation of CSS flexbox with Bootstrap.

NumbersAPI - Mobile Application

[Github](#)

Typescript | Javascript | React | Ionic | Git

- ◆ Constructed global error handling solution, improving UX by protecting against unnecessary HTTP requests.
- ◆ Incorporated successful Types and Interfaces reducing all potential compilation issues with ESLint strict rules.
- ◆ Composed component based architecture, following best practices of code reusability and separation of concerns.

Friender - Tinder Clone

[Github Backend](#) | [Github Frontend](#)

Javascript | React | Python | Flask | SQLAlchemy | PostgreSQL | Bootstrap | AmazonS3 | Unittest | React Testing Library

- ◆ Developed an algorithm to calculate the geographical distance between two zip codes.
- ◆ Established a server connection to an AmazonS3 bucket for users to upload and display photos to their profile.
- ◆ Followed a mobile-first mentality by implementing UI design with Bootstrap and custom CSS.

Jobly - Job Seeking App

[Project Demo](#) | [Github Backend](#) | [Github Frontend](#)

Javascript | React | Node | Express | SQL | PostgreSQL | Bootstrap | Jest | React Testing Library | Heroku | Git

- ◆ Encapsulated SQL query logic using principles of Object Orientation, code modularity and readability.
- ◆ Charted an intentful approach to codebase features by driving TDD, resulting in less technical debt.
- ◆ Secured sensitive user data through implementation of JSON web tokens and React hooks.

Warbler - Twitter Clone

[Heroku Deployment](#) | [Github](#)

Python | Flask | SQLAlchemy | PostgreSQL | Unittest | Heroku | Git

- ◆ Secured user data through form validation and Bcrypt password hashing.
- ◆ Streamlined data management using constructed CRUD operations and RESTful backend architecture.
- ◆ Implemented unit and integration tests using Python Unittest, increasing test coverage by 85%

WORK EXPERIENCE

Software Engineer Intern

San Francisco, CA

Rithm School - NumbersAPI

May 2022 - June 2022

- ◆ Used Git/Github workflow and Agile principles to migrate legacy codebase from ExpressJS to Python and Flask.
- ◆ Maintained a clean codebase through pull requests, regular code reviews and careful management of merge conflicts.
- ◆ Engineered a data modeling and manipulation solution while standardizing patterns across the codebase.
- ◆ Collaborated with a team of 8 engineers through daily standups, active communication, prioritization and planning.

Sales Specialist

Manchester, CT

Manchester Mazda

May 2021 - January 2022

- ◆ Achieved above 95% customer satisfaction rating on vehicle sales as measured by customer surveys. [Link to Review](#)
- ◆ Accelerated dealership sales by addressing the needs of the customer and consistently exceeding their expectations through active communication, timely follow-up, and extensive product knowledge.

(For a full list of my work experiences, please refer to my [LinkedIn](#) profile)

EDUCATION

Rithm School

Full Stack Web Development

San Francisco, CA

Graduation: June 2022

University of Connecticut

BA of Arts in Music

Storrs, CT

Graduation: May 2011

TECHNICAL SKILLS

Programming Languages: Javascript (ES6), Typescript, Python, SQL, HTML5, CSS3

Frameworks: React, Next.js, Node.js, Express.js, Flask, Ionic

Other Technologies: AmazonS3, Heroku, Vercel, SQLAlchemy, PostgreSQL, Bootstrap5, JQuery, Git

Testing Libraries: Jest, Jasmine, React Testing Library, Unittest

SKILLS & INTERESTS

Skills: *Problem Solving, Team Building, Leadership, Communication, Time Management, Attention to Detail*

Interests: *Music Performance, Theater, Cooking, Home Improvement*