Joseph Wyman

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, CSS, SASS, HTML
Frameworks: Angular, Node.js + Express, React, React Native, Django, Django REST Framework,
Tools: Git, Jest, Mocha, Chai, Redux, React-Testing-Library, SuperTest, Angular Material
Databases: MongoDB, PostgreSQL
Methodologies: Agile
Exposure: PostgreSQL, Docker, CircleCI, Redis, Selenium, UnitTest

EXPERIENCE

Junior Full Stack Software Engineer

Policy Analysis Inc. ([Hero3 Team]), Boston, MA / 2020 - Present

- Built new application features, writing font and backend end code with unit tests, using the MEAN stack.
- Refactored messy unRestful API's to use REST standards.
- Refactored highly coupled express code to use clean code practices of decoupling and improved naming.
- Restructured API testing suite to include clean code standards, improving the sustainability and functionality of the testing suite.
- Showed creativity to solve legacy code issues, writing vanilla JS scripts to interact with rigid older application.
- Followed three week agile sprints to deliver fully tested reliable features on time.
- Seamlessly collaborated with designers and end-to-end testers to bring to life application features.

PROJECTS

Meditation Web App (https://reverent-jepsen-7d1dce.netlify.app/login)   **GitHub:** Front-End   **|**   Back-End

<u>Front-End Stack</u>: Angular, TypeScript, SASS,

<u>Back-End Stack</u>: Node.js, Express, MongoDB

- Designed and Built meditation app with a focus on improving people's mental & physical health.
- Built a RESTful API with Node.js + Express with authentication and increased security with bcrypt.
- Structured MongoDB documents for speed and ease of use.
- Features: Listen to audio meditations, Track meditations, Track Mood, and Journal.

Fitness Challenge App 1 (https://whispering-cove-55290.herokuapp.com/accounts/login/)   **GitHub:** Front-End&Back-End

<u>Front-End Stack</u>: Python, Django, Vanilla JS, HTML, CSS, BootStrap, Selenium
<u>Back-End Stack</u>: Django, PostgreSQL, UnitTest

Fitness Challenge App 2 (https://awesome-allen-63c7e5.netlify.app/)   **GitHub:** Front-End   **|**   Back-End

<u>Front-End Stack</u>: React, CSS, SASS, Jest, React Testing Library

<u>Back-End Stack</u>: Node.js, Express, MongoDB, Redis, SuperTest, Jest

- Built a RESTful API for Fitness Challenge App 2, implemented a flux pattern to manage data in the front-end.
- Installed Redis DB for quick authentication and session management in the backend.
- Authentication: JWT, wrote authentication middleware, password hashing for increased security with bcrypt.
- Implemented Test Driven Development and used SASS css preprocessor, to focus on clean code standards.
- Used code-splitting and lazy loading for increased time to first paint web performance.
- Features: Track health activities, Interactive graphs, Challenge/compete against friends, set personal goals.

Meditation Mobile App (https://expo.io/@jwyman328/meditation_app)   **GitHub:** Front-End | Back-End

Front-End Stack: React-Native, Redux, Jest, React-Testing-Library

Back-End Stack: Django, Django REST Framework, PostgreSQL

- Designed, Tested and Built IOS meditation app with a focus on improving people's mental & physical health.
- Built a RESTful API in the back-end, and used redux to manage large amounts of user data in the front-end.
- Extensive testing and documentation, used smart testing principals mocking api calls with moxios.
- Features: Listen to audio meditations, Track Calories, Track Steps, Track Mood, Journal, Message Friends.

EDUCATION

Rey Juan Carlos University

Master of Science (MS), Economics   *Madrid, Spain*

- GPA 3.7

Framingham State University

Bachelor of Science (BS), Economics and Entrepreneurial Studies   *Framingham, MA*

- GPA 3.9   (Summa Cum Laude)
- Department of Business Outstanding Entrepreneurship Student Award