

Sean Balayan

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[GitHub](#) | [Blog](#) | [LinkedIn](#)

Software Engineer

Junior Web Developer with a background in Finance. Passion for learning and helping those around me grow. To your team, I bring a plethora of skills stemming from my background in equity markets, cooking, coffee, dance, and code.

Education

Flatiron School – Certification in Software Engineering
University of San Francisco | *Magna Cum Laude* - Finance

Remote | 05/2021 – 08/2021
San Francisco, CA | 2014 - 2018

Technical Skills

Languages: TypeScript/JavaScript, HTML, CSS, Ruby, Python
Frameworks/ORMS: Ruby on Rails, Flask, ActiveRecord, SQLAlchemy
Libraries: React, React-Redux, MaterialUI

Databases: PostgreSQL
CICD: Git, Heroku, Render
Testing Frameworks: RSpec, Jest

Experience

Flatiron School – Software Engineering Technical Coach

Remote | 03/2022 - Present

- Closed over 800 Zendesk tickets with a 100% satisfaction rating. Guides students through assignments and clarifies concepts.
- Assists with curriculum development by reviewing lessons and providing solutions through GitHub issues and pull requests.
- Effectively resolves environment issues. Reduced DNS ticket times by 80% by discovering a solution for reassigning a student's DNS server.
- Collaborates with students to help them become independent learners. Successfully helped maintain a 20% decrease in the average ticket per student as they progress through the curriculum.
- Establishes efficient debugging habits among students by showcasing tools and practices such as console.log, the debugger, Rails console, error handling, understanding test errors, and testing through code.
- Leverages knowledge of Full Stack Web development, Git, JavaScript, React, Ruby on Rails, Python, Flask, RSpec, and Jest.

Asymmetry Capital Management - Associate

San Francisco, CA | 06/2019 – 09/2020

- Key utility player for the Investment team focused on healthcare equities, derivatives, and exchange-traded funds.
- Main tasks included financial modeling, valuation, equity, and market research to help develop investment theses.

Volunteer Experience

Helping Hands Community – Software Engineer

Remote | 10/2021 – 12/2021

- Worked in a Kanban-style environment where issues within the codebase were assigned via JIRA ticket weekly.
- Enhanced user interface by implementing additional routing and state to handle unauthorized administrators.
- Upgraded user event analysis by reconfiguring the delivery tracking system to only account for unique deliveries.
- Leveraged knowledge of Full Stack Web development, JavaScript, React, Git, and debugging using Chrome Dev Tools.

Technical Projects

PortfolioTracker

[GitHub](#) | [Demo](#)

- Developed an options trading application with React used to track option trades and portfolio performance.
- Improved win-loss ratio by 20% by integrating multi-timeframe charting allowing for better performance analysis.
- Reduced loss-percentage from -50% to -30% by tracking performance measures such as the average percentage gain and loss.
- Incorporated CRUD actions using HTTP requests and a Rails REST API deployed on Render to archive trades.
- Developed a simple date conversion algorithm that converts Excel spreadsheet dates into Date instances.
- Utilized: React, JavaScript, MaterialUI, Ruby on Rails, ReCharts, Render, AJAX, Git, HTML/CSS, Render

PokemonBrawl

[GitHub](#) | [Demo](#)

- Built a Mock Pokemon Single Page Application with battle, catching, and team building functionality, deployed on Heroku.
- Battle feature was made possible by using state and conditional rendering to display the effects of in-game actions.
- Designed a Rails REST API with MVC architecture to run as a server between the Pokemon API and the client.
- Used PostgreSQL as the relational database management system with the ActiveRecord ORM to handle CRUD actions and incorporate persistent data storage.
- Employed BCrypt to store encrypted user information as well as sessions and cookies to authenticate users.
- Utilized: React, JavaScript, HTML/CSS, Heroku, Git, Ruby on Rails, AJAX, PostgreSQL