

Sunny Patel

Software Engineer

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Skills

Ruby, Python, Javascript, SQL, HTML5, CSS3, Ruby on Rails, Node.js, Express.js, React.js, Redux, Recharts, D3.js, PostgreSQL, SQLite3, MongoDB, Mongoose, Cheerio, Webpack, Git, Heroku

Projects

Littlehood *Ruby, Ruby on Rails, JavaScript, React, Redux, PostgreSQL, lexTrading API* [Live](#) | [Github](#)

A single-page web application clone of Robinhood, a free security-trading platform

- Produced an interactive stock chart using the Recharts library to allow users to visualize the performance of a particular stock over various time periods
- Built transactions feature to allow users to purchase and sell securities by efficiently utilizing JavaScript promises, and lexTrading's API Cloud caching to fetch and store data asynchronously
- Used join tables and active record associations in order to reduce load time and efficiently query for data necessary for the functionality of the application

Portfolio Allocator *Javascript, D3.js, Alpha Vantage* [Live](#) | [Github](#)

A JavaScript data visualization allowing users to create a mock stock portfolio and track their performance over various timeframes

- Utilized third-party API to acquire sector performance data and performed data manipulation in order to implement user performance algorithm
- Applied understanding of D3.js's D3-Force API to develop an interactive bubble chart based on user input

DevBook *Javascript, Node, Express, React, Redux, MongoDB Atlas, Mongoose, GitHub API* [Live](#) | [Github](#)

A single-page social network platform for developers to share their ideas and thoughts while helping other developers

- Created an authentication middleware utilizing JSON Web Token to ensure only verified Users are able to access protected resources
- Employed embedded documents to create one-to-many relationship in order to reduce the number of read operations required to obtain the data
- Leveraged React Hooks to create a highly flexible and composable code structure, allowing for efficient and scalable front-end development

Experience

Software Engineer Technical Instructor

App Academy

October 2019 - Present

- Conduct rigorous technical interviews consisting of pair-programming, technical trivia, and logical reasoning for applicants testing algorithmic and programmatic aptitude in Javascript, Python, and Ruby
- Assess applicants on ability to work with other programmers and perform under high-stress conditions

Junior Portfolio Management Administrator

Pzena Investment Management

December 2016 - October 2018

- Implemented investment strategies primarily focusing on US and International equity markets and optimized portfolios based on model suggestions, market movements, and investment guidelines
- Devised trading plans to manage exposures and liquidity for portfolio inflows and redemptions
- Coordinated with and assisted the Development team with the creation of an in-house application by leading strategy meetings, testing, and data gathering via Bloomberg Terminal

Prudential Financial

Investment Operations Associate

July 2015 - December 2016

- Analyzed and processed daily portfolio activity for various money market funds ranging in size of up to \$6 billion in AUM
- Recalculated interest payments and evaluated discrepancies in interest accruals and bond amortizations on fixed income securities by coordinating with external custodians
- Utilized Bloomberg terminal to verify interest payouts and principal paydowns of fixed income securities

Education

App Academy (April 2019 - June 2019)

Immersive 1000+ hours software development course with focus on full stack web development

Rutgers University, Rutgers Business School (May 2015)

BS - Finance and Economics