

Raq Robinson

FULL STACK SOFTWARE ENGINEER

[Portfolio](#) | [Blog](#) | [GitHub](#) | [LinkedIn](#) | [Email](#)
Brooklyn, NY | 508-948-9664

Versatile engineer with a strong foundation in object oriented programming and agile web development. Team player dedicated to learning, teaching and innovation. I bring 6 years of experience in Computer Systems Engineering.

SKILLS

JavaScript (ES6) · React · Redux · Node.js · Ruby on Rails · Python · SQL(PostgreSQL & SQLite) · HTML5 · CSS3
Git · Linux · Wordpress · Unit & Acceptance Testing (RSpec & Jest) · Data Analysis · Lean Six Sigma

TECHNICAL PROJECTS

StockUp | [Site](#) | [Github Repo](#) | *React.js, Ruby on Rails* | (Mar 2020)

An MVC-type finance web app for buying and monitoring a portfolio of stocks

- Developed RESTful API backend enabling users to dynamically view their portfolio and transactions
- Incorporated client-side routing with react-router, achieving navigation without any page refreshes
- Employed IEX Cloud and Alpha Advantage APIs to deliver accurate and timely market updates
- Followed an agile development process, and deployed into production using Heroku(backend) and Netlify(frontend)

HotPlay | [Demo Video](#) | [Github Repo](#) | *React.js, Ruby on Rails* | (Feb 2020)

A Slack clone for sharing, discussing and discovering new music on YouTube by genre, artist or interest

- Integrated Rails Action Cable to push data through web sockets to achieve live chat
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side
- Queried YouTube API for track suggestions based on channel names to create an interactive user experience
- Designed User interface and implemented with React, using Tachyons framework for rapid prototyping

Flobble | [Site](#) | [Github Repo](#) | *JavaScript (ES6), Ruby on Rails* | (Dec 2019)

An online card game where users find unique matching elements with other cards in the deck

- Designed a scalable database schema and built RESTful API to save high scores and generate rewards
 - Researched matching algorithm and coded logic with JavaScript DOM manipulation to simulate game play
 - Co-wrote custom HTML and CSS styling with Flexbox to optimize user experience
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RELEVANT TECHNICAL EXPERIENCE

Software Engineering Fellow | [NYC Tech Talent Pipeline](#)

Feb 2020 - Present

- Lead [music hackathon](#) workshop of 15 participants on creating a starter WebSocket template with Node.js and socket.io
- Teamed with fellow Out in Tech Digital Corps volunteers to redesigned and automate SAGEConnect [registration page](#)
- Completed rigorous 6-hr HackerRank coding assessment and hour-long technical interview with a Google engineer

Engineering Consultant | [Freelance](#)

Mar 2017 - Dec 2018

- Compiled research and drafted proposal to secure \$100k-grant for public art installation along main street
- Negotiated contract services for 108-unit condominium trust resulting in \$30K annual cost savings
- Developed 3d architectural renderings of proposed color, material and finish options for \$35M housing complex

Process Engineer | [Dell EMC](#)

Jul 2014 - Feb 2017

- Collaborated with cross functional teams to refine operations across a 90,000 sq. ft. IT-systems manufacturing facility
- Redesigned order fulfillment process using statistical modeling achieving a 20% efficiency increase
- Qualified new tools, processes and materials with QA engineers; wrote test documents and qualification reports

IT Analyst (NetApp Certified Data Administrator) | [Liberty Mutual](#)

Aug 2010 - Jan 2013

- Configured 500+ client servers and migrated them the AWS cloud, yielding increased scalability and performance
 - Maintained high-level technical knowledge of product architecture to problem-solve reducing P1 incidents by 40%
 - Reduced downtime by 20% through implementing a system for debugging and tracking software issues to completion
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EDUCATION

Flatiron School | Software Engineering Program

Oct 2019 - Feb 2020 | New York, NY

Northeastern University | M.S Engineering (Operations Research and Statistics)

Jan 2013 - May 2016 | Boston, MA

Harvey Mudd College | B.S Engineering (Computer Systems)

Aug 2006 - May 2010 | Claremont, CA