

NICK DRAPER

(617) 775-3633 - nickdraper8@gmail.com - Boston, MA - [PORTFOLIO](#) - [GITHUB](#) - [LINKEDIN](#)

JavaScript | React | Redux | HTML | CSS | Ruby | Ruby on Rails | Mongoose | MongoDB | Node.js | Express.js | SQL | SQLite3
PostgreSQL | Webpack | jQuery | Git | Heroku | Regex

PROJECT EXPERIENCE

RubyReel (Rails, React.js, Redux, Ruby, JavaScript, jQuery, PostgreSQL, AWS, CSS, HTML, Heroku)

[live](#) | [github](#)

Pixel-perfect and feature-rich YouTube clone built in less than 2 weeks

- Built front and back end user authentication, using React-Router, BCrypt, and cookies, to create secure user logins that persist across sessions
- Designed the Like model to have polymorphic associations so that creating new “likable” models (comments, videos, etc.) will require minimal code, speeding up development, and normalizing architecture.
- Counted IP Address visits to video pages to determine video view counts, using time since the last visit to provide security against inaccurate view counts.
- Used AWS S3 with Ruby on Rails and ActiveStorage to host video files in order to improve load times and scalability.
- Integrating jQuery AJAX requests, Rails Router, and Rails ApplicationController, users with proper authentication are equipped with full CRUD functionality for videos and comments, given they are logged in and are the author of that video or comment.

Bread (Node.js, Express.js, React.js, Redux, MongoDB, Mongoose, JavaScript, CSS, HTML, Heroku)

[live](#) | [github](#)

Cost Sharing web application built using the MERN stack built in less than a week

- As Technical Lead, coordinated a team of four engineers, using Git workflow and performing code reviews to ensure smooth development across the front and back end, completing the full-stack application in less than a week
- Built a user search component on the front end and an Express.js search route that uses a regex expression in order to retrieve all the relevant results from a given query.
- Designed the front-end state using Redux, carving out multiple slices of state for certain data-types in order to populate certain components with specific instances of data.
- Built out data pipeline for event expense data using Redux state and props to different components in order to perform the logic determining amounts owed per user

Gun Runner (JavaScript, HTML Canvas, HTML, CSS, GitHub Pages)

[live](#) | [github](#)

Addicting side-scroller game built using limited libraries in less than a week

- Used OOP principles and ES6 class syntax to create hitboxes with canvas coordinates, as well as a custom collision behavior algorithm to produce appropriate collision behaviors in accordance with the game rules.
- Implemented 2D vectors to represent x and y position and velocity. This allowed for smooth movement of objects on the canvas as well as intuitive manipulation of object movement direction in 360 degrees and speed across the canvas.
- Designed a sprite sheet reader function that minimized extra work needed in order to draw and animate additional sprites.

PAST EXPERIENCE

Technical Recruitment Consultant

Selby Jennings, Phaidon International

June 2019 - June 2020

- Conducted market research and candidate sourcing, placing several mid-senior level candidates for new and pre-existing clients totaling over \$100,000 in total commission for the firm.
- Built a commission calculation web application using HTML, CSS, and JavaScript to aid forecasting of commissions paid out to consultants. Used regularly by consultants and managers alike.

EDUCATION

Web Development - App Academy

June 2020 - October 2020

1000-hour full-stack web development course with < 3% acceptance rate

BA Economics - University of Connecticut, Storrs CT

August 2015 - May

2019 Relevant Coursework: Data Structures and OOP, Intro to Discrete Systems, Intro to Principal Programming