

# Daniel Singer

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## Skills

TypeScript, JavaScript, React, Redux, HTML, CSS, SCSS, Tailwind CSS, GraphQL, REST, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, MySQL, jQuery, Webpack, Git, TDD, Heroku, Amazon Web Services (AWS), Microsoft Azure, SVG, Canvas API, D3.js, Python, VS Code, ESLint, Prettier

## Projects

### Spudify

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

Ruby on Rails, React, Redux, PostgreSQL, HTML5, Sass, Webpack, Heroku, AWS, BCrypt, Photoshop

*Spudify is a pixel-perfect Spotify clone complete with signup/login, playlist creation, search, and seamless playback.*

- Implemented user authentication pattern using BCrypt for optimal security, complete with guest login functionality and custom asynchronous error handling.
- Constructed RESTful APIs and organized Redux state into a normalized shape, making data retrieval efficient, and ensuring seamless continuous play as a user navigates the site.
- Utilized React state to create search functionality that yields real-time suggestions based on user input.
- Leveraged AWS cloud storage to store digital assets, resulting in affordable low-latency data-retrieval.

### Google Clone

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

React, Context API, JavaScript, HTML5, SASS, Firebase, Google Search API

*Clone of Google search page*

- Built with React for front-end rendering and DOM manipulation, Context API and React hooks for state management, and JavaScript promises to fetch data from the Google Search API.
- Utilized Context API and the 'createContext' hook to wrap the App component in a ThemeContext provider, rendering a button that toggles between a light theme and dark theme.

### Save the Date

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

MongoDB, Mongoose, Node.js, Express.js, HTML5, CSS3, Webpack, Heroku, Google Maps API

*Date planning app allowing users to browse events and add them to a personal calendar.*

- Collaborated with 3 developers to create a date planning app with MongoDB, Express, Node and React.
- Successfully implemented user authentication CRUD with secure JSON Web Token encryption.
- Integrated Google Maps API and custom infowindows that appear when a user clicks on an event marker.

### Veg

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

JavaScript, D3.js, TopoJSON, Express.js, HTML5, CSS3, Webpack, Github Pages, Google Maps API

*Interactive choropleth map highlighting vegan-friendly restaurants in each state in the US.*

- Mapped csv data from an Excel file to a choropleth map using D3.js. Opted for TopoJSON over GeoJSON to map data, reducing file size.
- Complemented choropleth map with an HTML tooltip. When a user hovers over a state, the number of vegan-friendly restaurants is displayed.

## Experience

**Software Developer, UI Engineer** | 2020 - Present

Conquest Cyber

- Working with an elite team of cybersecurity professionals to build an adaptive cyber risk management platform that enables businesses in highly regulated industries, like healthcare and finance, to achieve cyber resiliency.

**Web Developer** | 2018 - 2020

Freelance

- Built robust web apps with React/Redux frontend, and Rails/Postgres or MongoDB/Node/Express backend.
- Familiar with several testing frameworks, including RSpec, Jest, and Jasmine.

**Software Engineer** | 2017 Contract

Giraffe Builder

- Developed mobile responsive custom Wordpress templates for boutique web development firm.
- Launched 2-3 sites to production weekly, and reported progress to project manager via Jira tracking software.

## Education

**App Academy** | Spring 2020 | New York, NY | 3% acceptance rate

Rigorous 1000+ hour software engineering intensive with emphasis on full stack development.

**SUNY Purchase** | Spring 2013 | New York, NY | 1% acceptance rate | GPA: 4.0

Conservatory of Music, Bachelor of Arts in Studio Composition