Simon DeBevoise

c: 973.214.2605   e: simondebevoise@gmail.com   New York, NY   Portfolio   LinkedIn   GitHub   AngelList

Technical Skills

JavaScript, React, Redux, Ruby on Rails, Ruby, RSpec, HTML5, Sass, CSS3, jQuery, Ajax, Node.js, Express.js, PostgreSQL, SQLite, MongoDB, Git, AWS, Webpack, Heroku, RESTful APIs, Microservices, Max / MSP, Ableton Live

Experience

Volunteer Software Engineer | CoronaCare (in development) | March 2020 - Present
- Architect Ruby on Rails API with token-based authentication and email confirmation for new accounts and ensure backend data compliance with the site's legal requirements.
- Build responsive frontend components with React, Redux, and Bootstrap to mirror UI/UX team's website mockups and design specifications.

Assistant Server | The NoMad Restaurant | September 2018 - August 2019
- Managed a section of 40+ diners per evening at high volume, Michelin-starred restaurant and coordinated with the kitchen and server team to guarantee stunning service with an emphasis on hospitality.

Intern | NorthSouth Productions | Summer 2018
- Engineered Java program to automatically format and create Cue Sheets from raw Logic sessions, cutting down hours of repetitive work per episode for a Hearst-owned company

Projects

Tilda | Ruby on Rails, React / Redux, JavaScript, AWS S3, HTML5, CSS3, Webpack   live site | github
Fully functional and near pixel-perfect clone of Spotify, a popular music streaming app.
- Achieved continuous audio playback as users navigate the site by nesting an HTML audio element at the root level of my React component to prevent disruptive re-renders.
- Structured a flexible and robust backend with AWS S3 storage and 'Likeable' polymorphic associations that connect listeners to their favorite songs, playlists, albums, and artists.
- Developed an organized frontend using RESTful APIs and Redux to efficiently request and organize the large amount of music data needed to play audio, curate search results, and display listener playlists.

Splat | Team lead | MongoDB, Express.js, React / Redux, Node.js, Tone.js, JavaScript, Webpack   live site | github
Intuitive audio sampler and sequencer with sonic themes and user controls.
- Designed app structure and functionality and supervised a team of four engineers working across the MERN stack to build out this project, from design to production, in one week.
- Ensured light-weight and consistent audio playback using Tone.js to weed out time inaccuracy, preload audio elements, and facilitate adjustable tempo and swing.
- Oversaw Git workflow and guaranteed code consistency in the frontend and backend with frequent code reviews.

Spellcaster | JavaScript, HTML5, CSS3, Webpack   live site | github
Interactive text canvas where users 'cast' spells by typing.
- Implemented a Grid class to organize cell elements and delegate rendering to Spells, which parse player input into dozens of different styles and visual effects and inject dynamic HTML into the grid with DOM manipulation.
- Constructed three different input modes that route keystrokes to subfeatures including TypeTest, a 60-second typing speed race that counts words per minute, and Snakecaster, in which a player-controlled snake 'eats' and appends colorful, styled HTML elements to its body.

Education

App Academy | September 2019 - January 2020 | New York, NY
Highly competitive (~3% acceptance, 1200+ hours) software development course with focus on full stack web development, TDD, and programming best-practices.

Bard College | 2014 - 2018 | Annandale-on-Hudson, NY
BA in Anthropology and Music with 3.93 GPA. Highlights include Data Structures in Java, Linear Algebra, and Electronics.