SEAN MACKEY

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SKILLS

Ruby, Ruby on Rails, JavaScript, React, Redux, MongoDB, Express.js, Node.js, jQuery, PostgreSQL, Git, HTML5, CSS3

PROJECTS

EmptyChairs - *A web app inspired by OpenTable, where users browse restaurants and make reservations*   Live Site | Github
(Ruby on Rails, PostgreSQL, JavaScript, jQuery, React, Redux, CSS, HTML, AWS, React-icons, Webpack, Heroku)
- Utilized Amazon Web Services Simple Storage Service (AWS / S3) to host all photos, reducing server load and eliminating the need to query the database for these images.
- Used ternary logic and leveraged redux's ability to track the current user in local state to create a flexible and adaptive reservation form–either pre-filling data for a logged in user, or prompting non-user guests to provide the data themselves.
- Implemented CSS grid layout, hidden text overflow, and nowrap white-space to create visually appealing, uniform restaurant index tiles to maximize the user's browsing experience.

mapStatesToPost - *An original web app where users can upload a photo from every U.S. state they have visited*   Live Site | Github
(MongoDB, Mongoose, Express.js, React, Redux, Node.js, AWS, SVG, HTML, CSS, Webpack, Heroku)
- Facilitated and managed all interaction between the local server and the Heroku live site, appropriately protecting all 3rd party API keys and ensuring Heroku was always running the latest fully functional version of the app.
- Implemented the app's database using MongoDB Atlas, connected it to the app, and distributed and managed the secure connection string among the co-programmers on the project, ensuring it stayed secure and hidden.
- Implemented local strategy for user authentication with Passport.js, using BCrypt for password hashing, giving the user a safe and reliable experience.

Piano Player - *A web hosted musical keyboard where users can play notes/songs with mouse or keyboard*   Live Site | Github
(JavaScript, Tone.js Web Audio API library, HTML, CSS, Webpack)
- Implemented an event listener for both key and mouse events to give the user flexibility to play with their mouse or computer keyboard, and ensured the keyboard would respond to both upper and lower case versions of the keys.
- Leveraged the alpha channel of the rgba color values in CSS to increase the opacity of the splash modal, and z-index to place it on top of the rest of the app, allowing for a "reveal" of the piano underneath and serving the additional purpose of providing a canvas for delivering the app's instructions.

EXPERIENCE

Vice President, Booking and Engagement Management
Broadway Booking Office NYC, Sept 2014 - July 2020
- Negotiated financial deals for 250 bookings per season on multi million dollar theatrical tours, securing the most favorable terms possible for our clients.
- Attracted a new client to the company based on my reputation working with him at a former job, resulting in two new accounts with an approximate value of 5K per week plus a percentage of tour profits.
- Crafted an innovative multi-layered sales projection and tracking tool in Excel, analyzing ticket sales for the 6-month Toronto sit-down production of Matilda the Musical, which allowed us to advise the producers on the impact of media, opportunities for dynamic price increases, and implementation of discounts where needed.

Entrepreneurial
- Raised $500,000 capital and led the producing team of the off-Broadway play JOY at the Actor's Playhouse in NYC, employing several dozen staff and providing the playwright with his New York debut.
- Founded the Broadway Access Initiative, providing over 200 at-risk youth the opportunity to experience live theater.

EDUCATION

App Academy - Immersive 1000-hour software development course with <3% acceptance rate focusing on full stack web development (Spring 2022)
Rockhurst University - *BS - Business Administration (Management Emphasis)* (Spring 1999). Magna cum Laude. Recipient of *The Wall Street Journal Award* for the highest GPA in the School of Management