

DAN LAY

Fullstack Web Developer // Software Engineer

Full Stack Developer with experience in test-driven development of frontend and backend systems, data manipulation for relational and noSQL databases, responsive UX/UI design, and integration of cloud-services. Proven to adapt and learn quickly with strong team communication skills.

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201-359-0321

Butler, NJ

LinkedIn

GitHub

Portfolio

SKILLS

React, Redux, Javascript, CSS3, HTML5, Ruby, Ruby on Rails, Express, Node, NPM, Webpack, Tone.js, Web Audio API, Canvas API, AWS, jQuery, PostgreSQL, SQL, SQLite3, Mongoose, MongoDB, Git, GitHub, jBuilder, Heroku, Railway.app, RSpec, Capybara, GIMP, Rust

PROJECTS

Rising Sign // An astrology-based dating app utilizing the MERN stack (MongoDB, Express, React, Node.js)

[Live Site](#) | [GitHub](#)

- Implemented AWS S3, Multer, and Multer S3 to enable user image uploads, reducing server load and allowing for scalability of image services
- Designed dynamic and vivid user interfaces (UI) with CSS animations and React components and hooks, creating an interactive and beautiful experience for users (UX)
- Refactored component layout using conditional rendering and transformative class names to streamline file structure and improve code efficiency
- Interfaced tightly with MongoDB and my backend team to enact a flat state and efficiently update and render the app

stepSeq // A single-page musical step-sequencer written in vanilla Javascript

[Live Site](#) | [GitHub](#)

- Utilized the Tone.js library to serve seamless audio and provide the user compelling sound manipulation techniques
- Performed DOM manipulation without the use of external libraries to simulate the actions of a real, physical step-sequencer
- Integrated audio visualization techniques using Canvas API to give the user live feedback as they sculpt their soundscapes
- Provided an insightful tutorial with the help of the `getElementBoundingRect()` Javascript function

BooTube // A spooky YouTube clone styled around halloween (PostgreSQL, Ruby on Rails, React / Redux, Node.js)

[Live Site](#) | [GitHub](#)

- Connected user video files to AWS S3 through the use of Rails associations written on the model post-migration
- Crafted custom logo, buttons, and visuals using the open-source GIMP image editor to give the website its own signature look and feel
- Leveraged CSS flex-box and media queries to ensure a mobile-friendly design that stayed true to the source
- Created thumbnails using the vThumb.js library and jBuilder to provide an authentic YouTube-style index experience
- Configured deployment of the project initially through Heroku, and then migrated onto Railway.app, where it is currently maintained
- Organized a responsive user interface (UI) with React-Router-Dom and managed state wisely using Redux

EXPERIENCE

Professional Violinist - Violist // Self-Employed, May 2011 - Current

- Performed in a variety of settings ranging from studio recording sessions to orchestral performances to solo recitals
- Operated as an independent contractor in collaboration with numbers wedding groups where prompt arrival, strong communication skills, and the ability to adapt were crucial skills
- Crafted custom repertoire lists based on client input and gathered skilled professionals to bring client visions to fruition

Assistant Project Manager // Servicemaster By Timeless, LLC, Jan 2021 - April 2022

- Coordinated over 250 material deliveries, conducted contractor hires, completed over 100 contract / document drop-offs, acquired necessary technologies using BuilderTrend, and individually secured over \$200,000 in additional gross revenue
- Managed damage mitigation / reconstruction timelines and budgets efficiently using GANTT tables, Excel spreadsheets, Exactimate valuation software, and persistent documentation to ensure timely delivery of projects
- Maintained an open pipeline of communication between business and client-facing operations, allowing for diligent service and prompt response times

EDUCATION

App Academy // Immersive software development course with focus on fullstack web development, Fall 2022

Berklee College of Music // Pursued Bachelor of Art in Music Performance, Spring 2015