
TECHNICAL SKILLS

Languages/frameworks: JavaScript, React, Redux, Node/Express, Python, Flask, SQL/Postgres, NoSQL/MongoDB, AWS

Design: CSS3, HTML5, SCSS, Figma, Adobe Photoshop

Misc: RESTful APIs, Git, Github, TDD, Jest, Jasmine, Supertest, React Testing Library, Agile development

EXPERIENCE

Livestack | *Full Stack Software Engineer*

May 2020 - Jun 2020

- Developed event confirmation form and functionality using **React / React Router** libraries for creators to choose from dates/times proposed by application users to submit and confirm online events
- Designed form & validation schema for creator request and event confirmation with **CSS, Bootstrap & Formik**
- Created date-formatting middleware with **moment** and **moment-range** which easily formatted and saved overlapping date/times that the creator was presented with and selected
- Implemented specialty date picker component using newly-formatted data with React Date Picker library
- Wrote endpoints in **Express** backend API server to update date/time data and confirm creator information
- Wrote custom API utility functions and middleware in the back end to update **SQL** database
- Rigorously tested components with unit tests & programmatic non-expiring date/time data with **React Testing Library**

Gladkill Music | *Web Developer*

Oct 2017 - Mar 2020

- Assembled easily navigable single page artist portfolio website application with **React** and **React-Router**
 - Maintained & updated artist site based on latest release visual designs using **HTML, CSS, Bootstrap & JavaScript**
 - Architected RESTful server-side API with **Node/ExpressJS** with custom ORM for **NoSQL** database
 - Utilized **MongoDB** to simplify data structure through document oriented storage and provide efficient scalability
 - Designed custom graphics for site, albums and ad materials with **Adobe Photoshop & Adobe Illustrator**
 - Set up and maintained domain name and web hosting for artist site
-

OPEN SOURCE PROJECTS

Career Cat | *Job Search Application*

- Developed **RESTful API** using **Node** server with **Express**, providing performant user experience while making client-side requests, and allowing users to reliably interact with career cat interface
- Employed **SQL** database to store and manage relational job and company data
- Designed intuitive client UI using **React, React Router** and **Bootstrap** providing a seamless user experience
- Implemented password security using **Bcrypt**, allowing for secure login and server-side password hashing

Bulletin | *Anonymous Message Board Application*

- Developed front end with **React/Redux** to maintain single-source state management providing application scalability
- Built **Express/Node.js** server with custom ORM to save relational post and comment data to **SQL** database
- Utilized **Redux-Thunk** middleware to handle asynchronous actions and maintain pure state management

Warbler | *Microblogging Social Networking Application*

- Constructed full stack application utilizing **Flask**, delivering client-side sites using **Jinja, HTML** and **Bootstrap**
 - Connected server with **SQL** database to seamlessly fetch and update relational user data
 - Utilized **SQL** database with **SQLAlchemy** for reliable scalability, complex joins and ease of relational data storage
-

EDUCATION

Full Sail University | *BS Music Business, AS Audio Recording & Engineering*

INTERESTS

Futurist, synthesizer enthusiast, former audio engineer & sound designer for major artists including Mickey Hart of Grateful Dead, former audio instructor at SAE institute and Internationally touring electronic musician. Foodie and amateur chef, cinema buff, gamer (video games, tabletop, roleplaying and board) and avid reader of science fiction and horror. My cat and dog will tell you that I'm the second coolest human they know.