

Spencer Smith

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FULL-STACK SOFTWARE ENGINEER

Software Engineer and former high school teacher. Highly organized planning and logistics management from experience managing over 350 band members and multiple student organizations. Life-long learner who loves to figure out how things work.

TECHNICAL SKILLS

JavaScript, Ruby on Rails, React.js, Express.js, REST APIs, Redux, SQL, HTML5, CSS, Git, MVC Architecture, Test Driven Development, Object Oriented Programming, Relational Databases

TECHNICAL PROJECTS

List it! (ongoing side project) | [front end](#) | [back end](#) | [demo](#)

An Express.js / React.js list generator built with new self-taught technologies

- *Sequelize ORM used to define model relationships and query data from a PostgreSQL database*
- *JWT tokens stored in cookies for authentication and passwords encrypted with bcrypt*
- *Express.js used to define custom routes and handle HTTP requests and responses*
- *Redux and React Hooks for state management in a React.js front end*

Untitled Question App | [front end](#) | [back end](#) | [demo](#)

A Rails / React.js messenger system that allows users to target other users with questions

- *Optimized the system design so the project goals could be reached within the three week deadline*
- *Designed RESTful API with Rails and enabled users to connect to users via self-joining relationships*
- *ActiveRecord ORM used to define relationships between question, answer, and user models*
- *Encrypted passwords with bcrypt and used sessions for authentication*

Mountain Man | [repo](#) | [demo](#)

Basic CRUD app that allows hikers to create posts

- *ActiveRecord ORM used to define relationships and query data from a SQLite3 database*
- *Front end constructed with vanilla JavaScript and HTML, Bootstrap used for styling*

Playlist App | [repo](#) | [demo](#)

Ruby CLI app that creates playlists

- *Fetched song data from the Spotify API to populate a SQLite3 database*
- *Users can perform basic CRUD actions to manage playlists and songs*

EXPERIENCE

Associate Director of Bands - Prosper High School, Prosper, TX 07/2017 - 05/2020

- *Recognized by students in the top 10% as a PISD Outstanding Educator in 2020*
- *Planned, managed, and directed trip logistics including transportation and hotels*
- *Planned and directed rehearsals for the marching band and two concert bands*

Assistant Director of Bands - Klein Oak High School, Spring, TX 05/2015 - 07/2017

- *International Baccalaureate (IB) Music - 70% of IB students who took my course received a grade of five (out of seven) or higher on the IB Music Exam*

EDUCATION

Flatiron School

Certificate in Full Stack Software Development - Number 1 Ranked Bootcamp by Course Report

Austin, TX

06/2020 - 08/2020

University of Houston

Bachelor of Music Education - Magna Cum Laude

Houston, TX

08/2010 - 05/2015