

# Spencer Smith

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## FULL-STACK SOFTWARE ENGINEER

Highly organized former teacher with experience planning and managing logistics for over 350 band members and multiple student organizations. Life-long learner and self-starter who loves to figure out how things work.

### TECHNICAL SKILLS

Node.js, Ruby on Rails, React.js, Express.js, REST APIs, Redux, PostgreSQL, HTML, CSS, Git, Python, MVC Architecture, Object Oriented Programming, Relational Databases

### TECHNICAL PROJECTS

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

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

- *Defined model relationships and queried data out of a PostgreSQL database with Sequelize*
- *Constructed a dynamic web server with customized API endpoints using Express.js*
- *Managed state predictably with Redux and React Hooks on the front end*
- *Stored JWT tokens in cookies for authentication and encrypted passwords with bcrypt*
- *Prioritized DRY principles and scalability to help implement future features more easily*

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

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

- *Optimized the system design so that goals could be reached by the project deadline*
- *Designed a RESTful Rails API and enabled users to connect to users via self-joining relationships*
- *Defined relationships between question, answer, and user models with ActiveRecord*
- *Verified user authorization data with session storage*

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

Ruby on Rails / JavaScript CRUD app that allows hikers to create posts

- *Defined model relationships and queried data from a SQLite3 database with ActiveRecord*
- *Front end constructed with vanilla JavaScript and HTML, Bootstrap for styling*

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

Ruby CLI app that creates playlists

- *Fetches song data from the Spotify API to populate a SQLite3 database*

### 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 for 350 students*
- *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