

Spencer Smith

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SOFTWARE ENGINEER

Full-Stack JavaScript Developer with strong programming fundamentals, leadership and organizational skills, and a deep interest in understanding how things work.

TECHNICAL SKILLS

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

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 authentication 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 Austin, TX

Certificate in Full Stack Software Development - Number 1 Ranked Bootcamp by Course Report 06/2020 - 08/2020

University of Houston Houston, TX

Bachelor of Music Education - Magna Cum Laude 08/2010 - 05/2015