

Jessica Vaughn

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[LinkedIn](#) | [Github](#) | [Blog](#) | [Portfolio/Website](#)

SOFTWARE ENGINEER

Full stack developer with command of JavaScript, React, Python, SQL, HTML, and CSS. Passionate about learning and strive to constantly improve upon and expand my skill set. Seeking employment in front-end, back-end, or full-stack web development.

TECHNICAL SKILLS

JavaScript, React, Python, Flask, SQL, HTML, CSS, Sass, Git, SQLite, SQLAlchemy, Next.js

TECHNICAL PROJECTS

myTunes Music Application (Flask, React, PostgreSQL, Sass) - [Github](#) | [Demo](#)

Create unique playlists with full CRUD operations, add songs to playlists and listen to songs through Spotify

- Connected React front-end to Flask back-end and deployed through Render
- Interacted with Spotify Developer API to persist data to PostgreSQL database
- Incorporated user authentication using Bcrypt and cookies to track user sessions
- Designed custom CSS utilizing Sass

Brewery Tap List (React) - [Github](#) | [Demo](#)

Track inventory and manage current beer list for small to large breweries

- Utilized controlled form for users to add new beers to inventory
- Built filter for users to easily search for beers by name or style
- Leveraged state to update inventory, on tap list, and coming soon list
- Incorporated dynamic client-side routing
- Designed custom CSS utilizing UI Semantic

Locker Inventory (Python, SQLAlchemy, & Alembic) - [Github](#) | [Demo](#)

Command Line Interface to manage locker assignments utilizing a SQL database

- Built and seeded a database using SQLAlchemy with many-to-many relationships
- Utilized Alembic to manage database migrations
- Wrote custom query methods to implement CRUD interactions with database
- Instantiated CLI to connect user interface with database

EXPERIENCE

Cherry Creek School District

Greenwood Village, CO

Assistant Band Director - Cherry Creek High School

08/2021 - 05/2023

- Differentiated instruction for 190 students in grades 9-12 on a daily basis
- Organized and led 16 curricular concerts and 20 marching band performances
- Managed five marching band staff members; earned highest state ranking in school history

Aurora Public Schools

Aurora, CO

Band Director - Gateway High School

08/2015 - 07/2021

- Grew program from 125 to 180 students in first two years
- Successfully advocated for increasing full-time instrumental music staffing to support student retention data
- Managed and reported on six budget lines annually
- Served as instrumental music teacher leader for two years; advocated for 40 music teachers
- Designed and implemented differentiated curriculum aligned with the Colorado and National Music Standards
- Oversaw and provided feedback to four music teachers as support staff for extracurricular music activities

EDUCATION

Flatiron School

Denver, CO

Software Engineering Certificate

06/2023

Full Stack Web Development, JavaScript, React, Python3, Flask, and SQL program

Ithaca College

Ithaca, NY

Master of Music - Music Education

08/2019

University of Colorado Boulder

Boulder, CO

Bachelor of Music - Music Education

05/2015