

Jessica Vaughn

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

SOFTWARE ENGINEER

Full-stack software engineer fluent in JavaScript, Python, SQL, HTML, and CSS. Experienced with React, Flask, and SQLAlchemy frameworks as well as Tailwind and Sass for custom-CSS. Seeking employment in front-end, back-end, or full-stack web development.

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML, CSS | Frameworks & Tools: React, Flask, Sass, Tailwind, Semantic UI, Git, SQLite, SQLAlchemy, PostgreSQL, Alembic, Render

TECHNICAL PROJECTS

Craftsy E-Commerce (Flask, React, PostgreSQL, Tailwind) - [Github](#) | [Demo](#)

Purchase and review products through small-business e-commerce site

- Integrated Google OAuth in addition to local signup/login using Bcrypt
- Track user and cart data through Flask session objects
- Implemented PayPal API for seamless user checkout experience

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

Create unique 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

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

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
- Oversaw and provided feedback to four music teachers as support staff for extracurricular music activities

EDUCATION

Flatiron School

Denver, CO

Software Engineering Certificate

07/2023

Full Stack Web Development, JavaScript, React, Python, 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