

Jessica Vaughn

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[LinkedIn](#) | [GitHub](#) | [Blog](#) | [Portfolio](#)

SOFTWARE ENGINEER

Passionate full-stack Software Engineer with extensive background in education and web-development. Dedicated to crafting impactful solutions and driven by an appreciation for intricate details. I thrive within collaborative environments and actively engage with peers to develop innovative ideas. I embrace new technologies in the pursuit of lifelong learning. Seeking new opportunities in front-end, back-end, or full-stack web development.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, YAML, HCL, HTML, CSS | **Frameworks:** React, Flask, Sass, Tailwind, Semantic UI, SQLite, SQLAlchemy, PostgreSQL | **Tools:** Alembic, Docker, Git, GitHub Actions, Kubernetes, Ansible, Terraform, Jenkins, Render

TECHNICAL PROJECTS

Craftsy E-Commerce [GitHub](#) | [Demo](#) | [Live Application](#)

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

- Integrated OIDC with Google login and local signup/login using Bcrypt across Flask/React frameworks
- Implemented PayPal API for seamless user checkout experience
- Built full CRUD functions for user review model
- Instantiated Flask session objects to track user and cart data
- Built CI/CD pipeline using Git and Render

myTunes Music Application [GitHub](#) | [Demo](#)

Create unique playlists and listen to music through Spotify

- Incorporated user authentication using Bcrypt and cookies to track user sessions
- Deployed Flask/React application through Render
- Enacted full CRUD functions for playlist model
- Interacted with Spotify Developer API to persist data to PostgreSQL database

Brewery Tap List [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 React state to update inventory, on tap list, and coming soon list

Locker Inventory [GitHub](#) | [Demo](#)

Manage locker assignments through the CLI utilizing a SQL database

- Built and seeded database using SQLAlchemy and Alembic; utilized many-to-many relationships
- Wrote custom query methods to implement full CRUD interactions with database
- Instantiated CLI using Python to connect user interface with database

EXPERIENCE

Cherry Creek School District & Aurora Public Schools

Greenwood Village & Aurora, CO

Instrumental Music Teacher

08/2015 - 07/2023

- Grew Gateway High School instrumental music program from 125 to 180 students in first two years of tenure
- Differentiated instruction for 190 students daily across four concert bands, jazz band, and piano courses
- Successfully advocated for increasing full-time instrumental music staffing to support student retention data
- Earned highest state marching band ranking in Cherry Creek High School history in 2021
- Served as district instrumental music teacher leader for two years in Aurora Public Schools
- Managed nine instructional staff members over eight year career
- Managed and reported on six budget lines annually

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