Jessica Vaughn

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LinkedIn | Github | Blog | Portfolio/Website

SOFTWARE ENGINEER

Passionate full-stack Software Engineer with extensive background in education and web-development. I am dedicated to crafting impactful solutions and am driven by a profound appreciation for intricate details. I thrive within collaborative environments, encourage teamwork, and actively engage with peers to develop innovative ideas. Committed to continuous learning, I eagerly embrace new technologies and am constantly striving to advance as a lifelong learner. Currently seeking new opportunities 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 Github | Demo
Purchase and review products through small-business e-commerce application
- Integrated Google OAuth in addition to local signup/login using Bcrypt across Flask/React frameworks
- Track user and cart data through Flask session objects
- Implemented PayPal API for seamless user checkout experience
- Designed custom-CSS utilizing Tailwind

myTunes Music Application Github | Demo
Create unique playlists and listen to music through Spotify
- Deployed Flask/React application 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 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
- Incorporated dynamic client-side routing

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

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