

Jessica Vaughn | Software Engineer

Denver, CO | 303-748-6515 | jessica.vaughn619@gmail.com

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

SUMMARY

Full stack software engineer with extensive background in education and web-development. Dedicated to crafting solutions and driven by an appreciation for details. I thrive in collaborative environments and actively engage with peers to develop innovative ideas. I embrace new technologies in the pursuit of lifelong learning. Seeking opportunities in frontend, backend, or full stack web development.

SKILLS

JavaScript, Python, SQL, HTML, CSS, React.js, Next.js, React Native, Flask, Sass, Tailwind, Semantic UI, Bootstrap, Node.js, Express, PostgreSQL, NoSQL, MongoDB, Mongoose, SQLAlchemy, Alembic, SQLite, Git, Bcrypt, OAuth, OIDC, Docker, Software Development Life Cycle

PROJECTS

La Junta Crafts [GitHub](#) | [Live Application](#)

Browse, purchase, and review products through e-commerce website

- Integrated OIDC Google login with local login utilizing Bcrypt across Flask/React frameworks
- Implemented PayPal API for seamless user checkout experience
- Utilized Flask-RESTful extension to build API and routes
- Used yup and Formik for frontend form validation; wrote validations and constraints for database models in Flask
- Managed state with useContext and useState hooks
- Created responsive design using Tailwind and custom CSS

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
- Built API utilizing Flask-RESTful extension
- Enacted full CRUD operations; utilized PostgreSQL and Alembic for database migrations
- Utilized Spotify Developer API to seed database with real music data
- Wrote custom CSS leveraging Sass

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

Manage locker assignments through the CLI utilizing a SQL database

- Developed a custom CLI with robust error handling for a seamless user experience
- Created and managed database migrations using SQLAlchemy and Alembic; built many-to-many relationships
- Implemented a clean and organized modular code structure to enhance readability and maintainability
- Wrote custom query methods to implement full CRUD operations

EXPERIENCE

Freelance Full Stack Software Engineer

05/2023 - present

- La Junta Crafts - Designed, built, deployed, and maintained e-commerce website for local small business

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

Software Engineering Certificate

Denver, CO

07/2023

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

Ithaca College

Master of Music - Music Education

Ithaca, NY

08/2019

University of Colorado Boulder

Bachelor of Music - Music Education

Boulder, CO

05/2015