

# Jessica Vaughn - Software Engineer | Full Stack Developer

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

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, Ruby, HTML, CSS | **CMS:** Drupal, WordPress

**Frameworks/Libraries:** React, Flask, Ruby on Rails, RESTful APIs, Tailwind, Twig

**Databases:** MySQL(SQL), MongoDB(NoSQL) | **Tools:** Git, GitHub, Docker, Gulp

## TECHNICAL PROJECTS

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**La Junta Crafts** [Live Site](#) | [GitHub](#)

July 2023

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

- Integrated the PayPal API to ensure a smooth and secure user checkout experience, resulting in increased conversion rates and customer satisfaction.
- Utilized Flask-RESTful extension to develop a robust API and routes, streamlining data interaction and enhancing application performance.
- Implemented yup and Formik for frontend form validation, ensuring data accuracy and a seamless user experience by preventing errors and invalid form submissions.

## PROFESSIONAL EXPERIENCE

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**Webmaster | Fountain City Brass Band**

Oct 2023 - Present

- Redesigned and optimized a tailored UI and subsequently developed a brand-new Drupal website, enhancing user experience and site functionality.
- Migrated WordPress site content to Drupal, resulting in improved site performance and enhanced security.
- Achieved a 75% reduction in client annual costs, optimizing resource allocation and eliminating paid-tier products while improving service quality.

**Full Stack Developer | La Junta Crafts**

June 2023 - July 2023

- Led the end-to-end Software Development Life Cycle, successfully delivering a customized retail website that surpassed client expectations.
- Implemented secure OIDC Google login and integrated it with local login mechanisms to enhance system security through robust encryption.

**Director of Bands | Cherry Creek High School (Greenwood Village, CO)**

Aug 2021 - July 2023

- Tailored instruction to meet the unique needs of 190 students enrolled in instrumental music courses, ensuring an inclusive and effective learning experience.
- Led the marching band to an unprecedented 3rd place state ranking in 2021, surpassing the previous highest ranking of 5th place in school history.
- Organized and directed more than 45 performances and coordinated a national band performance trip.

**Director of Bands | Gateway High School (Aurora, CO)**

Aug 2015 - July 2021

- Grew instrumental music student enrollment by 44% in two years, resulting in a 100% full time staffing increase for the department.
- Served as district instrumental music teacher leader, representing 40 music teachers over a two-year term and resulting in a 500% increase in district-provided professional learning opportunities for teachers.
- Spearheaded the planning and execution of 120 performances and coordinated two music department performance tours during my six-year tenure.

## EDUCATION

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**Software Engineering Certificate | Flatiron School**

July 2023

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

**MA in Music Education | Ithaca College (Ithaca, NY)**

Aug 2019

Graduated with 4.0GPA

**BA in Music Education | University of Colorado (Boulder, CO)**

May 2015

Graduated with Honors - 3.73GPA