

BRYAN SHEARS

Software Engineer

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SUMMARY

Software engineer with 8 years of professional experience in project management and mechanical engineering. Critical thinker with a growth oriented-mindset, who is comfortable working collaboratively with a cross-functional team in a fast-paced environment.

TECHNICAL SKILLS

Ruby on Rails - MVC Architecture - Service Oriented Architecture HTML - CSS - PostgreSQL - MySQL
Heroku - Git - GitHub - CircleCI/CD - RSpec - Postman - JSON - REST
API Integration, Creation, & Consumption - RESTful API's - GraphQL - Test Driven Development
- Relational Databases - Object Oriented Analysis and Design - SCRUM- Error Handling

PROJECTS

MALT MATCHER | Group Project | [GitHub Repository](#) | [Deployed Application](#) | **October, 2022**

- Malt Matcher uses JavaScript & React on the frontend, and Ruby on Rails on the backend to allow users to find beer styles on tap at breweries near them.
- Self-taught and implemented a GraphQL API to create a scalable React/Ruby on Rails application, that allows the client to access the full capabilities of the API data from a single endpoint. Collaborated with an agile backend and frontend development team. Used all phases of the development life cycle including designing, coding, testing, debugging, and documenting to complete MVP application development.

BAND-AID | Group Project | [GitHub BE Repository](#) | [Deployed App \(Heroku\)](#) | **September, 2022**

- Band-aid helps musicians and venues connect with one another through a streamlined transparent booking process. Collaborated with an agile backend and frontend development team. Utilized workflow programs to outline code architecture and functionality at a high level through Test-Driven-Development and Object-Oriented-Programming.
 - Built a RESTful API Ruby on Rails web application framework that exposed endpoints for multiple resources from a relational database, including two external API's (Yelp & last.fm), modeling a true-back-end framework, that could be consumed by an entirely separate front-end-framework. Exposed a RESTful JSON API, using serializers to format JSON responses, tested API exposure coverage, error handling, and wrote SQL queries
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PROFESSIONAL EXPERIENCE

PROJECT MANAGER | US. Engineering Innovations | 05/18 - 04/22

- Led a team of 4, by being a committed & mission-driven leader. Completed 20 plus construction projects annually, generating first profitable year at \$1.5M in revenue
 - Improved engineering/manufacturing lead times by 6 weeks, increasing average project profit margin by 6%. This was accomplished through increased supplier competition/reliability and management of project critical paths.
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EDUCATION

Accredited Back-End Software Engineering Certificate / Turing School of Software Design, Denver, CO (05/2022 - 10/2022)

B.S. Fermentation Science & Technology / Colorado State University, Fort Collins, CO (2018)

B.S. Mechanical Engineering / University of Wyoming, Laramie, WY (2012)