

# Ryan DeJonghe

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## EXPERIENCE

**Software Engineer, Co-Creator**, Seamless (seamless-cicd.com) [↗](#)

Dec 2022 – present

*Designed and built a low-config CI/CD pipeline for containerized microservices - <https://seamless-cicd.com> [↗](#)*

- Developed core functionality of the backend server and frontend dashboard to allow for pipeline monitoring
- Prioritized RESTful conventions and designed a backend API with predictable routes and parameters
- Decoupled route handling from database interaction by creating services which utilize Prisma ORM to query
- Engineered a solution to create pipeline data structures for use by the state machine
- Developed functionality to allow a user to set up a working pipeline by form submission in minutes, potentially saving hours of configuration
- Streamlined AWS infrastructure deployment by creating a CLI and npm package
- Implemented initialization of the CI/CD pipeline by using the GitHub API and Octokit to create a webhook in the user's GitHub account
- Modeled data accurately and implemented schema to match the logical flow of a default CI/CD pipeline
- Created and organized React components into logical categories allowing for an intuitive UI/UX
- Enforced data validation using React-Hook-Form and Zod Resolver
- Implemented functionality that allows pipeline data to be fetched in a single API call instead of multiple calls
- Worked with a remote team of engineers during sprints to make key design decisions (Agile Workflow)
- Authored a comprehensive technical case study on Seamless and the engineering decisions made

**CRM & Technology Specialist**, Colorado State University Pueblo

May 2020 – Nov 2022

- Planned, designed, tested and implemented changes to production code for the application to the university
- Queried and created fields and prompts in the 200-plus table production database
- Created forms and application content in response to the dynamic needs of the university
- Managed permissions and security features as an Administrator in the Technolutions Slate CRM
- Resolved issues with payments and verified payment processes and credentials
- Authored highly reliable queries to audit admit decisions and verify scholarship recipients
- Optimized workflow practices through automation and the training of staff on CRM best practices

**Open Source Experience**

Jan 2021 – Nov 2022

- Jaguar Bin - Inspect and debug HTTP webhooks (Express, React, MongoDB, Postgres, Nginx, Digital Ocean)
- Rijks CRM - Manages clients and works of art for an art auction (Ruby, Sinatra, Erubis, Puma, HTTParty)
- Jukebox - Embeds and organizes YouTube videos for ad-free play (Ruby, Sinatra, Erubis, Puma, PG, Bcrypt)
- Roar Store! - Organizes products and purchases with a shopping cart feature (React, Jest for testing)

## SKILLS

### Languages

JavaScript, TypeScript,  
Ruby, Golang, SQL

### Frameworks

Express, Sinatra, React,  
Redux, Tailwind

### Tools & Databases

Git, GitHub, PostgreSQL,  
MongoDB, Bash, Docker

### Cloud & Networking

AWS, Digital Ocean,  
Heroku, HTTP, REST APIs

## EDUCATION

**Master of Arts - Spanish (Linguistics)**, San Diego State University

2012 – 2014

- Received recognition as the outstanding student in the Linguistics Track