

# Reed Hillmar

SOFTWARE ENGINEER

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## TECHNICAL SKILLS

- **Languages/Frameworks:** Ruby, Rails, Python, Django, ActiveRecord, SQL, HTML, CSS
- **Testing:** Test Driven Development, RSpec, WebMock, VCR
- **Tools/Workflow:** Git, GitHub, GitHub Actions, CircleCI, Action Cable, Rest APIs
- **Exposure:** JavaScript, React

## PROJECTS

### Board Game Buddy - [GitHub](#)

10 Days

Board Game Buddy is a web application developed by a combined team of dedicated front- and back-end developers with the MVP of allowing users to browse board games by filtered categories and maintain a digital catalog of their board game collection. In future iterations, we hope to incorporate the more advanced filtering options on the front-end and offer suggestions for new board games to try based on a user's current collection.

As part of the backend team, I helped build two microservice APIs for consumption.

- Built a board games microservice in Ruby on the Rails framework
  - Consumed CSV and API data to populate 150k+ board games into our database
  - Developed endpoints to allow for advanced filtering of board games with paginated results
- Built a users microservice in Python on the Django framework
  - Implemented CRUD functionality to store users and their saved games
- Tech Stack: Ruby, Rails, Python, Django, ActiveRecord, SimpleCov, PostgreSQL, RSpec, Heroku, GitHub Actions, GitHub Projects

### Flick Pick - [GitHub](#)

10 Days

Flick Pick is a web application designed by a four-person team with the MVP of allowing a group of users to submit votes to collaboratively select a movie to watch based on selected streaming services and genres. The application was built in Ruby using the Rails framework.

- Consumed external API to filter movies based on streaming service availability, genre, rating, and runtime
- Implemented CRUD functionality to store viewing parties, temporary users, and liked movies
- Implemented web socket with Action Cable and JavaScript to live-update the UI with user votes and results
- Tech Stack: Ruby, Rails, JavaScriptAction Cable, Web Socket, ActiveRecord, SimpleCov, PostgreSQL, RSpec, Capybara, Heroku, GitHub Projects, CircleCI, Google OAuth

## EXPERIENCE

### ALS Environmental

Fort Collins, CO

#### Organics Supervisor

Aug 2021 - Oct 2022

- Managed laboratory teams, increased on-time testing from **40% to 80%**, and provided training and onboarding for new staff
- Coordinated projects and data integrity, working closely with team members from **6** other departments

### Wasson-ECE Instrumentation

Fort Collins, CO

#### Laboratory Manager

Sep 2016 - Aug 2021

- Developed and designed innovative analytical solutions according to clients' needs, managed and budgeted inventory, and collaborated closely with the CEO and **5** other departments
- Optimized project flow on projects worth up to **\$13 million**, and managed international instrument installations and service

### Applications Chemist

Oct 2013 - Sep 2016

- Conducted method development, installations, and troubleshooting for gas chromatography applications

## EDUCATION

### Accredited Certificate - Backend Engineering

Jul 2023 - Jan 2024

*Turing School of Software and Design, Denver, CO*

### Bachelor of Arts - Chemistry

Sep 2009 - May 2013

*Colorado College, Colorado Springs, CO*

Minor: Environmental Issues