

K.D. Hubbard

Software Engineer (she/her)

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Technical Skills: Rails, ActiveRecord, Ruby, SQL, Git, CSS, HTML, Test-Driven Development, REST APIs

Professional Skills: Fluent in Spanish, Project Management, Public Speaking, Cross-cultural communication, Leadership

NOTABLE SOFTWARE PROJECTS

ZERO WASTE KITCHEN | [GitHub Backend Repo](#) [GitHub Frontend Repo](#)

Project Purpose: Group Project - Build a cooking app to help people easily find recipes using what they have at home.

Tech Stack: Ruby, Rails, ActiveRecord, PostgreSQL, RSpec, Bootstrap, JavaScript, OAuth, REST APIs, VCR

- Proposed and developed an application for searching/saving recipes and calculating carbon emissions saved.
- Implemented services, facades, and poros for RPCs to search and cache recipes.
- Utilized Google OAuth for user creation and authentication, implemented on Ruby front-end service.

LUNCH & LEARN | [GitHub Repo](#)

Project Purpose: Solo Project - This is an API that exposes endpoints to find recipes from a given country and educational/history videos about that same country. You can have lunch while you learn!

Tech Stack: Ruby, Rails, ActiveRecord, PostgreSQL, RSpec, Capybara, WebMock, Bcrypt, Lockbox, VCR

- Developed a greenfield API to enable recipe and learning resource searching and saving.
- Implemented generating and managing API keys.

GRATEFUL TOGETHER | [GitHub Repo](#)

Project Purpose: Grateful Together is a full stack application that allows groups of people to keep a central, easy-to-use, daily gratitude journal.

Tech Stack: Ruby, Rails, ActiveRecord, PostgreSQL, RSpec, WebSockets, CI/CD with CircleCI, Heroku

- Utilized WebSockets for simultaneous messaging without page reload.
- Utilized Rails ActionCable to implement a WebSocket channel on API service.

EDUCATION

Certificate of Completion, Back End Engineering Program 2023
Turing School of Software and Design (online)
(7 month intensive, 1500 hours of programming experience, ACCET Accredited program)

Master of Arts in Library and Information Science 2014
University of Arizona

Bachelor of Arts in Art Studies, Psychology minor 2009
Arizona State University

EXPERIENCE

NOBO CORNER LIBRARY MANAGER, Boulder Public Library Aug. 22' – Nov. 22'

- Implemented branch safety enhancements and improved staff schedules for better work-life balance.
- Established and collaborated on a team to research and implement trauma-informed responses to incidents.

READ ALOUD PROGRAM ADMINISTRATOR, Denver Public Library (DPL) (all -virtual team 20'-22') Aug. 15' – Jul. 22'

- Directed department in the stewardship of 140 volunteers, serving over 100 schools, and \$75,000/year budget.
- Established collection development policy and redesigned collection process implementing DEI principles.
- Collaborated with User Experience and Marketing teams to create a [program website](#) and [YouTube channel](#), as informational and educational resources for volunteers. Coordinated collaborative content development.
- Conducted yearly evaluation of the program and analyzed evaluation data for reporting and improvement.
- Transitioned program to a virtual environment (20'-22'), training volunteers in technology and best practices.