

# Liela Rotschy

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## Profile

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Software engineer with experience building containerized backend systems. Experience with Ruby, JavaScript, PostgreSQL, Docker, Rails, and React. Former Linguistics PhD student with expertise in formal semantics.

## Projects and Professional Experience

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**Backpack: a portable backend for your web apps** <https://bkpk.dev>  2020 – present

*Co-Creator, Software Engineer*

Backpack is a Backend-as-a-Service that provides the essential features of data persistence, user authentication, file storage, realtime communication, and frontend hosting without the complexities of managing & configuring servers to support each of those services.

- Worked with a remote team to create the core Backpack app and infrastructure
- Built file storage system using Docker storage volume and MongoDB for metadata
- Built middleware layers for file handling
- Developed the Software Development Kit, a JavaScript library for interacting with REST API
- Created methods for dynamic route generation on start-up and at runtime
- Created methods for dynamically generating database models for database collections
- Contributed to architectural decisions regarding Backpack infrastructure
- Authored technical case study, detailing Backpack's design and implementation

**Full Stack Web Developer** 2018 – 2019

Remote. Built open-source projects using Ruby, JavaScript, SQL, HTML, CSS.

- Toolbox Dashboard Data Visualizer: built in Ruby/Sinatra with embedded R for visualizations
- Todos: a SPA that allows users to create, complete, and delete todos
- Mello: a Trello clone built in React and Redux with a Rails API backend that supports creating, editing, and deleting boards, lists, and cards
- Postit: a Reddit-like app built with Ruby on Rails and PostgreSQL allowing users to create, comment on, and upvote/downvote posts

**Educator** 1998 – 2018


- High School: Spanish Teacher, Lansing, MI
- Higher Education: ESL, Education, Formal Semantics
- Junior High: Spanish, French, English Teacher, Lewiston, ID

## Skills

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Technical skills: JavaScript, Node, React, Redux, Express, jQuery, Ruby, Ruby on Rails, Sinatra, HTML, CSS, ERB, Handlebars, PostgreSQL, MongoDB, Docker, AWS, REST APIs, Git/GitHub

Communication: Writing, Public Speaking, Research

- 3 peer-reviewed publications <https://tinyurl.com/lrotschy-google-scholar> 
- 14 conference presentations in Formal Semantics, Linguistics, Philosophy, Interdisciplinary Research

## Education

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**Launch School** <https://launchschool.com/employers>  2018 – 2020

*Multi-year full-stack Software Engineering curriculum focused on mastering web development fundamentals*

Back end: Ruby, Node.js, HTTP, PostgreSQL; Front end: HTML, CSS, JavaScript

**Ohio State University, Department of Linguistics,** 2011 – 2013

*PhD Student, Formal Semantics, Logic GPA: 3.95*

**University of Idaho, MA Teaching English as a Second Language** GPA 4.0 2009 – 2011

**Washington State University,** 1996 – 1998

*BA Secondary Education GPA 3.96, Summa Cum Laude*