


Liela Rotschy

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Profile

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

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

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 to-do management system built in Javascript with an API backend
- 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

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://scholar.google.com> 
- 14 conference presentations in Formal Semantics, Linguistics, Philosophy, Interdisciplinary Research

Education

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