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.

Professional Experience

Backpack: a portable backend for your web apps - Remote ⬀   2020 – present
Software Engineer, co-founder
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 - Remote   2018 – 2019
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
- Trellis: 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

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 ⬀
- 14 conference presentations in Formal Semantics, Linguistics, Philosophy, Interdisciplinary Research

Education

Launch School   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