

Rachel Williams

CONTACT

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SUMMARY

Full-stack **Software Engineer** experienced in designing and building single page web applications. My primary languages and frameworks are Ruby, Rails, JavaScript, React, and SQL. Previously a senior manufacturing specialist with five years in the Biotechnology industry, I know how to work with a team to efficiently execute and troubleshoot complex processes. I pride myself in my ability to solve difficult problems and communicate effectively with emotional intelligence.

SOFTWARE

Ruby: Rails, Rails API, ActiveRecord, Sinatra

Javascript: React, Redux, Thunk, JQuery, AJAX

HTML, CSS, SQL(SQLite3, PostgreSQL), Git, REST, Bootstrap, JSON, APIs

PROJECTS

Concert Buddy - Github Front-End: <http://bit.ly/2GawuD6> / Back-End:

<http://bit.ly/2v30kal> | Demo: <http://bit.ly/2tCAKIT>

*A single page web application using a **React / Redux** front-end and a **Rails API** back-end that allows you to view upcoming concerts in your area and save the ones you would like to attend.*

- Utilized **RestClient** gem to acquire concert data from SeatGeek's **API** based on a user's location
- Used **Thunk** middleware and lifecycle methods to make asynchronous requests in action creator functions
- Integrated **Redux** to manage state including details about current user and data about concerts in their area
- Employed **React Router** to create **RESTful** routes to inform the user of their location within the app
- Incorporated sessions and **bcrypt** gem in **Rails API** to authenticate and login users

Mindless Meals - Github: <http://bit.ly/2Rfy39v> | Demo: <http://bit.ly/2RGvuMG>

*A single-page web application built with a **Javascript** front-end and a **Rails API** back-end that allows users to quickly view a recipe to cook based on an ingredient in their refrigerator.*

- Designed schema and integrated **PostgreSQL** database with my **API** to maintain data integrity
- Used **AJAX** to POST and GET data from **Rails API** to improve user experience
- Incorporated **fast_jsonapi** gem to return serialized **JSON** data from API quickly and reliably
- Organized **Javascript** code into multiple components and reusable functions to simplify debugging
- Styled using custom **CSS** to achieve a consistent design

Habit Tracker - Github: <http://bit.ly/36inG9a> | Demo: <http://bit.ly/2RbJG13>

A web application built with **Ruby on Rails** and **HTML** which allows users to create goals for habits they would like to change in their life and track their completion.

- Included the **omniauth** and **omniauth-facebook** gems to authenticate users with Facebook
- Encrypted passwords using **bcrypt** gem to ensure data was secure
- Used strong parameters to protect from unexpected request params
- Utilized **Rails** validations to ensure only valid data was persisted to the database
- Applied **Bootstrap** to front-end for a simple yet attractive design

Beat Roaster - Github: <http://bit.ly/3avT07m> | Demo: <http://bit.ly/2RbpXyi>

A **Sinatra** and **Ruby** application where users can read and write reviews for their favorite music albums.

- Exercised full CRUD operations to add, view, edit and delete album review data using **ActiveRecord**
- Used **SQLite3** database for simple querying and data integrity
- Utilized **rack-flash3** gem to display flash messages for error handling

EDUCATION

Software Engineering Program

Apr 2019 – Jan 2020

Flatiron School

B.S. Biological Sciences

Sept 2008 – Jun 2012

University of California, Davis

WORK EXPERIENCE

Nohla Therapeutics

Apr 2018 – Jan 2019

Clinical Manufacturing Specialist

- Our team produced 100% of the required product for our clinical trial on time
- Reviewed and tracked batch records to ensure timely release for all lots
- Point of contact for Quality Assurance to resolve lot disposition issues and communicate to team

Genentech Inc.

Apr 2014 – Apr 2018

Senior BioProcess Technician

- Promoted from BioProcess Technician (April 2014 – June 2016)
- Effectively communicated with internal departments to troubleshoot, document, and resolve issues during production using software and documents such as Microsoft Visio, P&ID, and PI
- Selected to join the Change Management Team – Red-lined SOPs and automation documents with process improvements and vetted changes with internal departments
- White belt certification acquired in 2016 – Training led by the Operational Excellence department to utilize multiple root cause analysis tools to reduce human error and increase process efficiency
- Selected to be a primary member of the Changeover Team – Responsibilities included leading my shift in changeover activities and coordinating department specific activities with internal and external groups to avoid equipment conflicts