

Jesse Gan

jesse.zh.gan@gmail.com | 978-201-0029 | New York, NY | [GitHub](#) | [Linkedin](#)

SOFTWARE ENGINEER

Full stack web developer that has developed multiple applications in Ruby on Rails, and React.js/Redux.js. With experience in database engineering and analytics at fast-paced startups, I am comfortable learning on the job and solving novel problems in order to provide value to a company. I am looking to bring this passion for problem solving to help companies bring new products to life through software engineering.

TECHNICAL SKILLS

Ruby	JavaScript	Action Cable	HTML	Git
Ruby on Rails	React.js	Thunk Middleware	CSS	Figma
PostgreSQL	Redux.js	Python	Selenium	

PROFESSIONAL EXPERIENCE

Flatiron School

Technical Coach, Part-Time

Remote

Nov 2020 - Current

- Tutor Flatiron School students on Ruby, Ruby on Rails, JavaScript, React, Redux, and debugging techniques

Loeb NYC/3x3 Insights

Database Engineer Intern

New York, NY

Jun 2019 - Aug 2019

- Designed schema for and built a database of over 6 million customers with PII data from 250 million lines of transactional data gathered from POS systems and 5 million customers from loyalty program databases (SQL)
- Optimized product mapping by ~40% by writing scraping script that automated google searches and parsed results

Rocean, Consumer Electronic Start-up

Business Analyst Intern

New York, NY

May 2018 - Jun 2019

- Built a model that forecasts the impact of device production and usage on plastic waste and GHG emissions used in marketing materials, website copy, and pitches to prospective sales partners such as NYU

TECHNICAL PROJECTS

Sketchit, [GitHub](#) | [Demo](#)

Collaborative sketchpad application that syncs drawing across multiple users.

- Developed React.js/Redux.js front-end and Rails API/Action Cable/ PostgreSQL back-end
- Integrated WebSockets with Action Cable to build a real-time updating canvas
- Applied Redux Thunk middleware to handle fetch requests to Rails API and to dispatch actions to the store

Feels, [GitHub](#) | [Demo](#)

Single-page emotion logging application with simple entry form, side-scrolling list, and pop-up modals.

- Developed JavaScript/HTML/CSS front-end and Rails API/PostgreSQL back-end
- Implemented Rails API backend following RESTful routing principles with multiple endpoints for entries
- Built dynamically updating entry form and entry view modals using object-oriented JavaScript

Jamlist, [GitHub](#)

Collaborative Spotify playlist creator that allows users to connect their Spotify accounts to create Spotify playlists with other users within groups that they can join or create.

- Developed HTML/CSS front-end and Rails/PostgreSQL back-end following the MVC framework
- Implemented full-CRUD functionality for multiple models while following RESTful routing principles
- Utilized RSpotify Gem to interact with the Spotify API to provide OAuth of user accounts, to parse the Spotify track library, and to create and update playlists on Spotify.

EDUCATION

Flatiron School

Full Stack Web Development bootcamp

Online

May 2020 - Oct 2020

New York University, Leonard N. Stern School of Business

New York, NY

Bachelors of Science (BS) in Business (Computing & Data Science) | Minor in Computer Science

Aug 2016 - May 2020

- Magna Cum Laude, GPA 3.84/4.00, Dean's List for all semesters
- Coursework: Data Structures, Database Management & Analysis, Data Mining for Analytics