

Alexander Grey

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[Github](#) | [Dev.to](#)

SOFTWARE ENGINEER

Full-stack Software Engineer with a background in sports science. I am a confident problem-solver who learns quickly and can adapt to the needs of my project team. With my past experiences in research, health and wellness, I have developed strong interpersonal communications, and am a tactful leader and team member.

TECHNICAL SKILLS

Javascript, React, Ruby on Rails. Postgresql, and Sqlite3 databases . Heroku. Websockets via Actioncable. Bcrypt and JSON Web Tokens for authorization. State management in localStorage and Redux. Built APIs with Rails, managed 3rd party API calls from front & backend languages. Web scraping with chrome driver, Watir, Nokogiri & open-uri. Styling via Bootstrap and React-Bootstrap

TECHNICAL PROJECTS

Quick Trainer - [Firebase](#)

Provide a 2-way platform for prospective clients to meet fitness professionals, gain training guidance, and chat in real time. Built using React with Redux, Rails as an API with Postgresql, websockets, secure passwords and auth.

- Built rapid backend calls with mix of jsonapi serializer and hand-built json formats
- Utilized ActionCable for websockets, allowing for real-time chat between users, and push notifications
- Implemented secure passwords with Bcrypt gem, and used JWT and localStorage to handle authorization
- Created a clean and responsive UI with React-Bootstrap, CSS, and React-Routing.

Apartment Findr - [Heroku](#)

This website allows users to browse apartment listings using a 3x3 grid format, to compare prices and neighborhoods. Built with React, Rails API, and a web-scraping script to access Craigslist's apartment listings.

- Developed a web-scraping script with a headless browser using Watir, Nokogiri, and Open-URI gems in Ruby
- Used React with React-Bootstrap to develop a dense and highly-functioning Single Page Application
- Took initiative to restructure application, migrate to a Postgresql database, and deploy application on Heroku

Wacky Item Find - [Github](#) | [Demo](#)

This application provides a fun take on a simple product browser. Built completely using functional Javascript, with a Rails API backend. Data is seeded from the Etsy API.

- Built connection between Rails API and Etsy 3rd-party API for database collection
- Used top-down functional JS to create a single-access-point application that functions as a multi-page site

EXPERIENCE

Atlas-IPS

Exercise Physiologist

Everett, WA

03/2020 - 10/2020

- Maintain professional and friendly communications whilst providing injury-prevention programs for on-base employees
- Develop and employ organized KPI tracking spreadsheets with logic.

CorePhysio-PT

Personal Trainer

Bellingham, WA

05/2019 - 03/2020

- Provide personalized training and injury prevention programs for individuals 'graduating' from physical therapy
- Keep organized training and operations records to provide value for personal training program

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

Seattle, WA

10/2020 - 01/2021

Western Washington University - [Thesis](#)

Masters of Science - Exercise Science

Bellingham, WA

12/ 2018

Western Washington University

Bachelors of Science - Kinesiology: Pre-Healthcare Professions

Bellingham, WA

12/ 2015