OSHA GROETZ

SOFTWARE ENGINEER

📞 917-477-9485

✉ ogroetz@gmail.com

🏠 Denver, CO – REMOTE

in LinkedIn

⭐ GitHub

⭐ Medium Tech Blog

🌐 Portfolio Website

TECH SKILLS

JavaScript
ReactJS
Redux / Redux-Thunk
Ruby
Ruby on Rails
HTML
CSS
SQLite3
PostgreSQL
MySQL
Github/Git
Adobe Ps/Ai/Id
VS Code

Learning In Process:
Typescript
SASS/SCSS

EDUCATION

Full Stack Software Engineer
The Flatiron School
April 2020 – Sept 2020

Art & Design Associate Degree
Fashion Institute of Technology
Jan 2010 – Dec 2013 – GPA: 3.8

TECHNICAL PROJECTS

Women Connect Tech - Github | YouTube
My favorite program I've built. WCT is a platform to connect women in engineering & raise the overall percentages of women in technology where we currently only hold approximately 25% of the available positions (& only 12% in SE).

- ReactJS/Redux frontend - Ruby on Rails backend, PostgreSQL database
- Incorporated user login through authentication, sessions, cookies, restricting dashboard access through credentials
- API requests to backend made with Redux-Thunk in Redux 'Action' files with both Axios and Fetch (GET/POST/PUT/DELETE)
- **Greatest Challenge:** Managed state by connecting class components directly to a Redux store using mapStateToProps & mapDispatchToProps in order to pass state to components instead of through inheritance

Checkout - Ware - Website | Github | YouTube
To familiarize myself with ecommerce sites, this program hinges upon an engaging frontend client communicating directly to a backend server:

- Single Page Application (SPA): Rails backend - JavaScript frontend, PostgreSQL database
- Client & server interactions handled through async (AJAX) API requests of JSON data with GET & POST Fetch requests
- Included Object Oriented JS highlighting the significance of class models
- **Challenge:** Non-CRUD server-side route & controller method to find or create new cart object

Social Justice Events - Website | Github | YouTube
Social justice movements exploded during Spring 2020, but there was no central app for ppl to find out more information on protests, meetings, etc: This app connects people and information through event posts & management

- Full back end program employing Ruby on Rails framework with SQLite3 database
- User validation for signup & login using bcrypt - 3rd party OAuth login through Github
- Followed RESTful URLs using CRUD with a nested resource example
- **Challenge:** Deployment of app with OAuth – discovering Heroku's Config Vars for storing keys

Institutional Change – Website | Github | YouTube
Program built in response to direct need of Denver based art gallery wanting museum-goers to sign a pledge in regards to ending Institutional Racism. Blog Platform for education and conversation.

- MVC Ruby application, using the Sinatra library & ActiveRecord: relational database SQLite3
- Authenticated users validating presence/uniqueness of email & password_digest (salted & hashed pw's with bcrypt) / Processed error message handling
- **Challenge:** Changing the database from SQLite3 to PostgreSQL for deployment to Heroku

WORK EXPERIENCE

Partner, COO

Green Elephant Juicery, Vail & Denver, CO   *Dec 2014 – March 2020*
- Grew company with 1 location and 5 people to 4 locations, 50+ people and 12+ wholesale accounts in 5 years

Executive & Personal Assistant to CEO

Gerard Partners, LLC, New York, NY   *Jan 2010 – Nov 2014*
- Established all systems for managing office & home personnel, work & personal calendars, correspondence, filing, bookkeeping, and travel arrangements, radically increasing efficiency