Alexander Barrera

FULL STACK WEB DEVELOPER

https://www.barrera-port.co/

https://github.com/barreraalexander

Skills

HTML5 * CSS3 * JavaScript * Ubuntu * Nginx * Gunicorn * Bootstrap * SASS
Python3 * Flask * Responsive Design * MySQL * GraphQL * Github
AWS Cloud Developer * S3 Buckets * EC2 * route53 * rds
* REACT * MONGODB *

Experience

Privacy Playbook | privacyplaybook.com

FRONT-END WEB DEVELOPER (contract) (November 2020 - August 2021)

- Built the front-end using vanilla html,css and js, based on the specifications of a designer.
- Worked closely with a back-end developer to code up some "glue" functions between the api and html components.
- Controlled different versions of the app using github.

Technicians on Demand | technicianondemand.com

FULL STACK WEB DEVELOPER (contract) (January 2021 - May 2021)

- Developed the front-end design using Adobe XD, and made changes based on the tastes of the customer. Features mobile-first responsive design.
- Coded the entire website using the python flask framework, s3 cloud storage to host the static files (images, videos, icons), and nginx on ubuntu to deploy the website.
- Secured the website with certbot and basic nginx protocols.

Passion Projects

Portfolio | github.com/barreraalexander/portfolio

NOTABLE TECHNOLOGIES USED: PYTHON3, FLASK, FLASK-MAIL, THREEJS, HTML, CSS, SASS, JS

This is the master code of my portfolio. It's nothing too fancy and I'm updating it all of the time. It showcases my work, and I often use it to experiment/showcase new UI ideas and technologies. This iteration of my portfolio makes particular use of Three.JS, which is a javascript 3d library.

Goose Literature | github.com/barreraalexander/gooselit

TECHNOLOGIES USED: PYTHON3, FLASK, FLASK MARKUP, FLASK-MAIL, WTFORMS, MYSQL, S3 BUCKETS, REST API, STRIPE WEBHOOKS, HTML, CSS, SASS, JS, RESTFUL API

In my past life I was a fiction writer. This website makes use of all that old content. I wanted to create a layout that would honor the format of the poem no matter the screen width. I didn't want to use images because of accessibility issues. Stripe webhooks are used to collect donations if folks really like my content, and mysql is used to keep track of various entities, like the literary content itself, donations. I've tried to incentivise leaving donations by showing the amount and donations live on the website, as well as allowing a user to donate and add themselves to the donors wall. Photos are stored on s3 buckets.

Lifeless (A Flask-React Hybrid Project) | github.com/barreraalexander/lifeless
TECHNOLOGIES USED: REACT(frontend), PYTHON FLASK (backend), MYSQL, THREEJS, AWS S3 BUCKETS, AWS RDS, RESTFUL API

I started this project to branch out from the FLASK stack that I normally use, and get an idea of what these single page apps are all about. The application itself will act as a RPG style game, where a user creates an avatar and powers up the avatar by completing tasks. Tasks are made by the user as well, so as to motivate them to complete their real life tasks. I plan to use three js to create the avatar models and various other elements. This project is still in the planning phase.

Purple Buckets | github.com/barreraalexander/purplebook
TECHNOLOGIES USED: REACT(frontend), PYTHON FLASK (backend), GRAPHENE (graphql for python), MYSQL(storage), ADOBE XD

This is a note management app. The user will be able to create an account. After that, they can create a bucket, which is meant to act as a structureless database. The user is encouraged to use the many tools of the note taking app, including using variables to name objects in the bucket, and using sections and components to organize the bucket.

Broward Reseller | github.com/barreraalexander/browardreseller
TECHNOLOGIES USED: PYTHON3, FLASK, MYSQL, JINJA, REST API, HTML, CSS, SASS, JS, SELENIUM

Broward Reseller is a vendor/inventory management application for small businesses. The application allows for a small business owner to showcase and sell items on the internet with ease. There are 2 sides of this app: a website where customers can browse items for sale, and a management system where vendors can manage orders and inventory. This project is in its final stages, I just want to revamp the UI/UX before I host this project on a server.

The Food | github.com/barreraalexander/thefood
TECHNOLOGIES USED: PYTHON3, FLASK, BEAUTIFUL SOUP, PYTHON, SELENIUM, MYSQL, JINJA, REST API, HTML, CSS, SASS, JS

The Food is the first application I began developing when I got interested in web development, and I have certainly learned a lot while trying to build this app. It has many parts, but I'll try to keep it brief. The application uses a web crawler (built with Beautiful Soup 4) to scrape cooking recipes from various websites and blogs. A few python functions then clean up and sort the data so that it can be displayed on The Food website. From there, a user can choose from various

recipes and add them to a cart. The real magic comes in when the user checks-out their order. Unfortunately, I can't give away too much, but that functionality is in development.

Somewhat Unrelated Experience

Bonaventure Resort and Spa| 250 racquet club rd, Weston, FL 33326

Engineering Coordinator (February 2016 - February 2019)
Reference: Rooms Director, Paul Ferguson

- Worked closely with my manager to coordinate a fairly large team of 13 engineers to maintain a 26 acre luxury hotel.
- Responsible for scheduling maintenance tasks, as well as responding to emergency situations (power outages, hurricane preparation).
- As the coordinator, I often had to resolve issues between the engineers, as well as take responsibility for mistakes that we made as a team.
- I was well known around the hotel as being friendly, approachable, and professional.

Renaissance Marina Hotel | 1617 SE 17th St, Fort Lauderdale, FL 33316

Housekeeping PM Supervisor (2013 - 2015)
Reference: Housekeeping Manager, Gloria Londono

- As the PM Supervisor, I worked with a small team of department supervisors to keep things running smoothly at night. I had to rely on my own decision on a day to day basis.
- Supervised a very small team of housekeepers and housemen. I managed the tasks that we would be working on that night. I would also lend a helping hand on the physical labor if it was an especially busy night.
- Inspected the rooms reserved for our most important contract, Jet Blue.
- I took pride that the folks I supervised were never overworked, and in generally good spirits.