Paulo Bocanegra

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WORK EXPERIENCE

Monas Burgers and Shakes   Jan 2021 - Present
Full Stack Software Engineer - Contractor   [Github](#)
- Designed and developed a brand new full stack application that will allow users to order online, saving the business 25% of the current cost of operations (Doordash).
- Connected the **Ruby on Rails** backend to **AWS** (Amazon Web Services) **S3** to store images for each product, while keeping the information secured with **AWS IAM**.
- Incorporated new functionalities in the **The City - Dinnerware** (point-of-sale software) for employees to quickly substitute, add, or take out specific ingredients from a dish; reducing order time by 20%. Essential for efficiency during peak times.
- Managed social media accounts and produced 50+ premium quality photos, including the company's signature picture, and a feature as the cover photo of **The Local Buzz** magazine for multiple months.

Finance Fox   Feb 2021
Web Developer - Freelance   [Live Site](#) |[Github](#)
- Developed in two days, a single page website for a token based blockchain social experiment with 6000+ transactions.
- Designed **CSS** animations to make 2D objects behave in 3D, leading to a more immersive User Experience (**UX**).
- Implemented efficient **vanillaJS** functions to change the content of specific sections in order to take most advantage of the real state of the page. Used event listeners on id selectors in the process, to reduce the time complexity.

PROJECTS

Bubbles   [Live Site](#) | [Github](#)
*Hair and Body Products Ecommerce platform. (**Node.js, Ruby on Rails, PostgreSQL, JavaScript, React, Redux.**)*
- Incorporated user authentication security for backend-frontend via **BCrypt** to avoid storing plain text passwords and prevent rainbow table attacks.
- Connected the **Ruby on Rails** backend to **AWS** (Amazon Web Services) **S3** to store multiple images for each product, while keeping the information secured with **AWS IAM**.
- Integrated **Active Record** to structure information from the database, and customized **React-Router** higher order components to design the front end.
- Utilized foreign keys to normalize the front end state. Furthermore, shaped specific slices of the state on each container's **mapStateToProps**, to provide relevant data from the **Redux store** to every **React** component.

Pooch   [Live Site](#) | [Github](#)
*Social App focused on improving your dog's quality of life. (**MongoDB, Express.js, JavaScript, React, Redux.**)*
- Leveraged **React/Redux, MongoDB, Express.js,** and **Node.js** in order to create a swipe based "dating" app that brings dog lovers together. Furthermore, I used the **Mongoose** Object Data Modeling (**ODM**) library to define the schema.
- Connected the **JavaScript** backend to **MongoDB** in order to nest data about each user, and connected the backend to the frontend using **Express** routing.
- Utilized **Passport** and **JSON Web Tokens** to design and test user authorization/dog creation, and used **Postman** to debug it.

POSTrain   [Live Site](#) | [Github](#)
Point of Sale software that trains employees to become more efficient at data entry.   ***JavaScript, HTML5, CSS3***
- Created a software that helps servers/cashiers transition from pen and paper to a touch screen using only **JavaScript**.
- Formulated an algorithm that actively sorts and populates the software with menu items and specifications using efficient **vanillaJS** functions. Furthermore, it appends transparent divs onto the **DOM** that behave as blockers to prevent human error in data entry. The algorithm removes all previous rendered sub categories to maintain the **UI** clean and responsive.
- Customized the User Interface (**UI**) for employees that work in low light settings by applying Color Theory with **Adobe Color Wheel**, in order to create a dark theme with bright selectors for a better User Experience (**UX**).

EDUCATION

App Academy - Immersive software development course with focus on full stack web development and 1500+ coding hours (2020)
EDACI (Peruvian School of Civil Aviation) @Lima, Peru - *PP - Private Pilot*   (Spring 2013)