Paulo Bocanegra

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WORK EXPERIENCE

App Academy   Sep 2021 - Present
Instructor
- Conducted instruction for several courses in the curriculum including Ruby on Rails, SQL, MongoDB, JavaScript, React.js, and Redux.js.
- Advised students on fullstack projects with two different stacks, lead groups of 10 to 15 as their circle leader.
- Answered software engineering technical and conceptual questions. Resulting in a six month feedback average greater than 4.80/5.00 for each category: effectiveness, expertise, motivation, and respect.

Monas Burgers & Shakes   Jan 2021 - Jul 2021
Software Consultant - Corporate Trainer
- Incorporated new functionalities in **The City - Dinnerware** (point-of-sale software) for employees to quickly substitute, add, or take out specific ingredients from a dish; reducing order taking time by 25%. Essential for efficiency during peak times.
- Managed social media accounts, produced 50+ premium quality photos, including the company's signature picture, postcards, a feature on **Diablo Magazine**, and the cover photo of **The Local Buzz** magazine for multiple months.
- Led training of 10+ new employees to better track customer order habits. Developed new staff training procedures, resulting in increased efficiency and improved customer service.

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 to 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 **UI** (User Interface).
- Utilized foreign keys to normalize the front end state. Managed the global state of the app with specific slices of state on each container's **mapStateToProps**, to provide relevant data from the **Redux Store** to every **React** component.

FirmRate   Live Site | Github
Software Solutions for Law Firms. (Node.js, Ruby on Rails, PostgreSQL, JavaScript, React, Redux.).
- Designed, and currently developing a platform for attorneys to quickly find and connect with mediators & arbitrators based on private ratings provided by the firm itself.
- Implemented a custom **JS fetch** function to attach the CSRF token stored browser side, and set default headers for every *GET* request.
- Created Active Record *n - 1* queries to minimize requests to the database done through Rails associations in order to improve efficiency.

POSTrain   Live Site | Github
Point of Sale software, 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.
- Formulated an algorithm that actively sorts and populates the program with menu items and specifications, using efficient **vanillaJS** functions. It appends transparent divs onto the **DOM** that behave as blockers to prevent human error in data entry. The function also removes all previous rendered sub categories to maintain the **UI** clean and intuitive.
- Designed the **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 **UX** (User Experience).

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)