DIEGO FRANCISCO BUENO SARTÓRIO WHITTEN-BROWN

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SKILLS

JavaScript, C / C++, Ruby, Python, Ruby on Rails, PostgreSQL, SQL, MongoDB, React, Redux, HTML5, CSS3, jQuery, Node.js, Express.js, Git, GitHub, RESTful API, JSON, AJAX, WebSockets, RSpec, Capybara, TDD, MVC, CRUD, OOP

PROJECTS

Racket (JavaScript, Ruby on Rails, PostgreSQL, React, Redux, HTML5, CSS3)   **Live | GitHub**
Real time chatting application, a pixel perfect tribute to Discord.
- Utilized Rails Action Cable to implement WebSockets TCP protocol, subscribing consumers to multiple channels using a PubSub paradigm allowing for users to communicate in real time.
- Built custom SQL queries to a relational database, preventing N+1 queries in joint tables, increasing performance by 98%.
- Leveraged React Hooks and Redux in the frontend by writing custom components, validations, actions and reducers for handling user input locally, reducing load time and server requests.
- Incorporated CSS Media Queries and Animation Frames for a dynamic and responsive feel, improving user experience by customizing the display based on its size.
- Developed video and image embedding by parsing the message string and rendering differentiated components, reducing tab hopping and increasing user expression.

D20 Clicker (JavaScript, HTML5, CSS3)   **Live | GitHub**
Simple idle game that grows as you play until infinity.
- Employed local storage for data persistence through page refresh enhancing user experience.
- Implemented Object Oriented Programming to share functionality through inheritance for a DRY and scalable code base.
- Engineered multiple customized animations that work in tandem by manipulating class definitions asynchronously for seamless response with user interaction.

Pineapple Beaches (JavaScript, MongoDB, Node.js, Express, React, Redux, HTML5, CSS3)   **Live | GitHub**
Single Page Application to find, review and make travel plans with real time weather data.
- Used weather WEB API for real time retrieval and update of data.
- Incorporated Cross-Origin Resource Sharing security by customizing backend Axios request to remote source.

EXPERIENCE

Supervisor
CVS Health   Feb 2017 - May 2019
- Enhanced backhouse storage space by redesigning product locations increasing fetching and restock efficiency, reducing repetitive work and unnecessary product handling.
- Actively analysed customer data to identify and resolve service issues for increased sales.
- Mentored/Trained 11+ employees on company culture and job responsibilities.

Software Engineer Volunteer
Internet Archive   May 2015 - Sep 2016
- Optimized the C / C++ emulator by eliminating repetitive function calls, increasing efficiency by 5%.
- Created a chrome plugin with JavaScript, HTML and CSS allowing users to curate and share music content increasing awareness to the organization.

LANGUAGES

English, Portuguese, Spanish and Japanese (basic)

EDUCATION

Software Engineering - *App Academy | Fall 2019*
AA in Network Security - *City College of San Francisco | 2013-2014*
BS in Computer Science (Incomplete) - *Faculdade de Tecnologia de São Paulo | 2012-2013*
BS in Biology - *Centro Universitário Fundação Santo André - Brasil | 2007 - 2010*