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.js, React, Redux, HTML5, CSS3)   **Live | GitHub**
Single Page Application to find, review and make travel plans with real time weather data.
- Coordinated team of engineers by leading standup meetings, assigning tasks, enforcing Git workflow and code reviewing.
- Used weather WEB API for real time retrieval and update of data.
- Incorporated Cross-Origin Resource Sharing security by customizing backend Axios requests to remote sources.
- Implemented Passport-JSONWebToken Strategy for sensitive Express.js routes, restricting specific functionalities to non-authenticated users.

EXPERIENCE

Supervisor
CVS Health   Feb 2017 - May 2019
- Triaged, troubleshooted and resolved unpredictable service issues by leveraging company policies and critical thinking, leading to 95% customer satisfaction and increased sales.

Software Engineer Volunteer
Internet Archive   May 2015 - Sep 2016
- Optimized the C / C++ emulator by eliminating repetitive function calls, increasing efficiency by 5%.
- Developed an integrated chrome plugin by reading and modifying the DOM allowing users to curate music content.

EDUCATION

Software Engineering - *App Academy | 2019-2020*
AA in Network Security - *City College of San Francisco | 2013-2014*
Coursework in Computer Science - *Faculdade de Tecnologia de São Paulo | 2012-2013*
BS in Biology - *Centro Universitário Fundação Santo André - Brasil | 2007 - 2010*

LANGUAGES
English, Portuguese, Spanish and basic Japanese