

# DIEGO FRANCISCO BUENO SARTÓRIO WHITTEN-BROWN

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[PORTFOLIO](#)

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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, RSpec, MVC, CRUD, TDD, WebSockets

## PROJECTS

**Racket** (JavaScript, Ruby on Rails, PostgreSQL, React, Redux, HTML5, CSS3)

[Live](#) | [GitHub](#)

*Single Page Application that allows for real time text chatting.*

- Integrated WebSockets enabled by Action Cable subscribing consumers to multiple channels using a PubSub paradigm allowing for users to communicate in real time.
- Built custom jQuery calls to a PostgreSQL database for optimized data retrieval, preventing N + 1 queries which adversely affects performance.
- 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](#)

*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.

### 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