

# DIEGO FRANCISCO BUENO SARTÓRIO WHITTEN-BROWN

(415) 606-7625

[DiegoFranciscoBueno@gmail.com](mailto:DiegoFranciscoBueno@gmail.com)

[PORTFOLIO](#)

[GITHUB](#)

[ANGELLIST](#)

[LINKEDIN](#)

## 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, Jest, Capybara, TDD, Webpack, 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

**BS 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