DIEGO FRANCISCO BUENO SARTÓRIO WHITTEN-BROWN

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SKILLS **JavaScript, TypeScript, React, Node.js, Ruby on Rails, SQL, CSS, GitHub**

AJAX, Bazel, C / C++, CRUD, Capybara, Enzyme, Express.js, Git, HTML5, JSON, Jasmine, Jest, jQuery, MVC, Mocha, MongoDB, NoSQL, OOP, PostgreSQL, Python, RESTful API, RSpec, Redux, Ruby, Sass, TDD, WebSockets, Webpack.

EXPERIENCE

Full Stack Software Engineer Apprentice *Asana*   Sep 2020 - March 2021
- Developed a logged out version of Asana project views as part of a team of 8. A new feature from the ground up that required constant interaction with multiple stakeholders and departments including data science, marketing, monetization and security.
- Implemented Logged Out Timeline view, by writing new and refactoring existing React components, fetching backend data and mocking pieces to emulate a user where the framework expected it, reappropriating existing code into a userless dependent state.
- Incorporated all frontend code with unit test coverage using Enzyme and Mocha, writing custom shallow wrappers for React components and mocking functionality with Sinon stubs and spies.
- Handled data loading with Asana's proprietary projections and fragments system (similar to GraphQL), specifying what objects and fields to be loaded from datastore and taking advantage of TypeScript type safety from backend data.
- Contributed daily to a codebase maintained by 300 engineers through small and logically digestible Pull Requests, covering bi-weekly sprint milestones in an Agile methodology.
- Worked closely with the Data Science team, incorporating Asana's logging framework to capture multiple actions taken by a logged-in sharer and non-user, removing a major block for early beta users and providing valuable usage data.
- Maximized product stability by deploying changes behind feature flags and incremental experiments, gradually derisking deployments.

Supervisor *CVS Health*   Feb 2017 - May 2019
- Delivered consistent high quality customer service through great communication, achieving 95% customer satisfaction rates.
- Analysed customer feedback and designed high priority tasks, increasing sales and surpassing the 7 million dollar milestone.

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.

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.
- 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.
- Built custom SQL queries to a relational database, preventing N+1 queries in joint tables, increasing performance by 98%.

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.
- 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 functionalities to non-authenticated users.

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, Japanese (basic)**