**DAN BOURDIER**

Software Engineer, Father, Veteran, Husband, Volunteer

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**SKILLS** JavaScript, Ruby on Rails (MVC Frameworks), React.js, Redux.js, RDBMS, PostgreSQL (Postgres), SQL, Mongoose, MongoDB, Express.js, JQuery, Node.js, WebPack, D3.js, HTML 5, CSS 3, Git (Version Control), GitHub, Heroku, Web Applications, TDD, Jest, Enzyme, AWS

**EXPERIENCE**

**Tutoria** (*JavaScript (ES6), React, Sass (Scss), Material-UI, Rails, PostgreSQL (AWS RDS), AWS Elastic Beanstalk*)

**Software Engineer**Jul 2020 - Present

* Implemented embedded detection and conversion of links within the web application's messaging feature.
* Collaborated with a remote team in an Agile development environment to deliver DRY and testable code.
* Developed mobile-responsive design for intuitive Client experience on a range of devices.
* Authored Tutoria’s front-end testing with Jest to shorten the software development lifecycle for future features.
* Troubleshooted tickets by debugging client reported errors with a 24-hour turnaround.

**U.S Army Special Warfare Center of Excellence**

**Human Resources Analyst** Jan 2015 - May 2019

* Spearheaded the application of an SQL database-like computer software slotting 25,000+ employees over three days, exceeding the organization’s standard of 80% to > 95% readiness.
* Committed successful execution of organization-wide deadlines for weekly briefings that included statistics, forecasts, and data of subordinate departments.
* Audited internal documentation including Purple Hearts, Bronze Stars, medals of honors, clearances, HIPPA documentation, and classifications to verify regulatory compliance that required leadership authorization and approvals.

**PROJECTS**

**COVID Interactive Bubble Chart** (*D3.js, Node.js, JavaScript (ES6), CSS 3*)[**Live**](https://danbourdier.github.io/CovidInteractiveBubbleChart/) **|** [**Github**](https://github.com/danbourdier/CovidInteractiveBubbleChart)

* Authored a web application that fetches asynchronously updated data to render visualizations of all 50 states’ recovery rate, hospitalization rate, and more with the D3.js library.
* Engineered repulsion of nodes using D3.js’ force manipulation with an algorithm that accepts each node’s radius, position, and data to apply a reciprocated value scaled to the node and its neighbors.
* Designed an intuitive UI that uses a data scaling algorithm to size nodes (states) according to chosen values (filters) of data fetched from an endpoint. Data such as recovery rate, confirmed cases, and more.

**Tri’ Harder: Full Stack Web Application** (*React.js, Redux.js, Ruby on Rails, Google Maps API*) [**Live**](https://tri-harder.herokuapp.com/) **|** [**GitHub**](https://github.com/danbourdier/TriHarder)

* Implemented React-Redux architecture for user authentication with session tokens, utilizing BCrypt for password hashing.
* Dispatched changes to Redux state while dynamically rendering front-end UI with back-end data from requests made by user events.
* Leveraged Google maps API to enable concurrent updates of map UI with polylines created by geospatial data returned from successful calls to the API.
* Developed REST API best practices by requesting and responding with JSON in back-end calls and returning HTTP codes for errors from Rails models and controllers.
* Capitalized on CRUD functionality in the back-end by exploiting Ruby on Rails Active Record and Postgres Database’s many to many associations.

**EDUCATION**

**App Academy** - Intensive Software Engineering Immersive of < 3% acceptance rate with over 1100 hours of coding experience - 2020

**Special Warfare Center of Excellence** - Equal Opportunity (Diversity) & Sexual Harassment training - 2019

**Fort Jackson Human Resources Training** - training consisting of database, and personnel record management - 2015