**DANIEL BOURDIER**

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**SKILLS**JavaScript, Ruby on Rails, React.js, Redux,js, RDBMS, Postgresql, SQL, Mongoose, MongoDB, Express.js, Jquery, Node.js, WebPack, D3.js, HTML5, CSS, Git, GitHub, Heroku, TDD, Jest, Enzyme

**EXPERIENCE**

**Tutoria** *(React, Material-UI, Sass, Rails, PostegreSQL (AWS RDS), AWS Elastic Beanstalk)*  ***Software Engineer*** Jul 2020 - Present

* Implemented embedded detection and conversion of links within the application’s messaging feature.
* Collaborated with a remote, international team in an Agile environment to deliver DRY and testable code.
* Developed mobile-responsive interface features for intuitive Client experience on a range of devices.
* Authored Tutoria’s frontend testing with Jest and Enzyme to cut development time in half from conception to deployment.

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

***Human Resources Analyst*** Oct 2018 - May 2019

* Spearheaded the application of an SQL database-like mass personnel tracking system slotting 25,000+ employees over three days, exceeding the organization’s standard of 80% to > 95% readiness.
* Queried databases successfully executing organization-wide deadlines for weekly chain of command briefings that included statistics, forecasts, and data of subordinate departments.
* Audited internal documentation including Purple Hearts, Bronze Stars, medals of honors, clearances, and classifications to verify regulatory compliance that required leadership authorization and approvals.

**LIVE SITES**

**COVID Interactive Bubble Chart**  *(D3.js, Node.js, JavaScript, CSS3)* [**live**](https://danbourdier.github.io/CovidInteractiveBubbleChart/) **|** [**github**](https://github.com/danbourdier/CovidInteractiveBubbleChart)

* Authored the use of an API that fetches asynchronously updated data with visualized statistics on all 50 states’ recovery rate, hospitalization rate, and more with the D3 library.
* Executed the use of D3.js’ force manipulation through complex algorithms relative to each node’s radius and overcame collision between free-flowing nodes until negative force charge was applied simulating repulsion.
* Designed an enriched UI for clients to choose their filter with D3’s parsing fetched source data to size node radii according to an iterated object in the CSV file and redraws the SVG window as opposed to a refreshing page.

**Tri’ Harder: A *MapMyRun* Inspiration**  *(React/Redux, Rails 5, GoogleMapsAPI)*  [**live**](https://tri-harder.herokuapp.com/) **|** [**github**](https://github.com/danbourdier/TriHarder)

* Implemented React-Redux structuring for user authentication with session tokens, utilizing BCrypt for password hashing.
* Capitalized Redux state management and React’s lifecycle to allow seamless communication between frontend and backend structuring to enable CRUD functionality where users can create, edit, and remove content.
* Built RESTful APIs to fetch backend data seamlessly communicating with frontend endpoints.
* Leveraged Google maps API to fetch data allowing users to dynamically create polylines/nodes with stored geospatial data contingent on the API’s success response on a rendered map with intuitive and responsive design.
* Manipulated Client entered data that directly communicates with the backend database while fetching bootstrapped

user data to establish user ownership of created objects.

* Dispatched data to store through the React-Redux cycle and middleware to update backend with user-entered information such as account details and PII.

**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