

Beau Reescano

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Technical Skills and Technologies

Front-end

Javascript | HTML5 | CSS | React | React Hook Form | Redux | Material-UI | NextJS

Back-end

NodeJS | Express | MongoDB | FireBase | PostgreSQL | MariaDB | Sequelize | Strapi-CMS

Other Tools

React Native | ElectronJS | Git | Heroku | AWS | NPM | WebSockets | Rollbar

Work Experience

React Native Software developer | Engenuity Inc | Fall 2020 - *current*

- Integrated memory allocation optimizations to improve pressure testing performance and stability through the use of efficient debugging and profiling using Xcode and Chrome Dev tools
- Designed end to end licensing solution for all pressure testing software with integrations of custom RESTful apis, in-house web portal, third party software and web services
- Enhanced bluetooth low energy (BLE) capabilities, doubled data sampling rate of 50Hz, and improved device identification and connection stability by restructuring Typescript classes and methods responsible for reading and writing to BLE service addresses and characteristics

Projects

Please note that each of the following projects are hosted on Heroku's basic tier and may need a moment to wake up

[Translator](#)

- Powered by several IBM Cloud services, this translator achieves speedy translations of single words. Several languages are currently supported.
- Generates and serves a static HTML page for requested translations
- Created several API endpoints for reading, creating, and updating translation data
- Designed trending bar and trending algorithm to show the most popular translations

[Recipe Manager](#)

- A straight forward recipe manager. A user can create an account and log in to manage their recipes and browse other user recipes.
- Spun up a back-end using the headless CMS Strapi for managing users and content
- Implemented authentication using sessions and JWTs stored in cookies; powered by the library Next-Auth

[Anonymous Comments](#)

- A user can anonymously post a comment that would be visible to nearby users. Posts can also be viewed and sorted by local, state or simply all posts.
- Created firebase realtime database for anonymous post content including the reverse geocoded location of the poster for the sake of viewing and sorting posts by location