

Joshua Raphael Bautista

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SKILLS JavaScript, Python, Node.js, React, Redux, Express, PostgreSQL, Sequelize, HTML5, CSS3, Web Development, Linux, REST APIs, Agile Development, Test Driven Development, Object Oriented Programming

PROJECTS

Food-for-thought (React, Redux, Python, Flask, HTML, CSS, Google Books API, AWS)

[Live Site](#) | [Github](#)

- Designed **Google Books API** with an **Embedded Viewer API** which allows users to search for recipe books that match their given query. View information about the book, including metadata, availability and price.
- Optimized **Redux** store state to minimize the number of fetch calls and loading times, and to access data that's being deleted, updated, and rendered in **O(1) time complexity**.

Vacay-n-stays (React, Redux, Python, HTML, CSS, Google Directions API, Google Maps API, AWS)

[Live Site](#) | [Github](#)

- Architected the **Google Directions API** to accurately calculate directions between the user's desired origin and destination.
- Improved efficiency by organizing the application's **architecture** to reduce loading times and React component re-renders.
- Utilized **AWS S3** to implement image uploads to reduce server load and allow for scalability of image services.
- Engineered a **PanTo** feature which allows users to select a spot which the google maps **dynamically renders** setting a detailed view of the spot's location and vicinity.

Markr

(React / Redux, Google Maps API, JavaScript, Node.js, Express, PostgreSQL, Sequelize, HTML, CSS)

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- Utilized **Bcrypt** to hash user passwords and store them in the database to implement access control lists.
- Incorporated **Google maps API** (geocoder API integrated with Places search API) which allows **reverse geocoding** of user's input address to geographical coordinates.
- Leveraged **Redux** to create a single page app to dynamically render React components without a refresh.
- **Implemented CRUD** features for Landmarks and Landmark Reviews.
- Generated a **Node.js backend using the Sequelize ORM** to handle validations and **PostgreSQL database queries**.
- Integrated **AWS S3** for all image uploads.

EXPERIENCE

ASU Biodesign Institute *Research Assistant* (September 2017 – February 2021)

Tempe, AZ

- **Designed and implemented** nucleotide data sets for academic research via Matlab.
- **Leveraged** BioSystems with the use of NCBI blastn which increased performance of RT-PCR output by **82%**.
- Engaged in group meetings and intricate planning to further **enhance** the development of our research.

Scribe America *Medical Scribe* (February 2021 – Jan 2022)

Phoenix, AZ

- **Improved** clinic's **efficiency by 85%** by incorporating structured remote documentation.
- Employed in a professional team in high stress environments during COVID-19 pandemic.

PUBLICATION

[Diverse single-stranded DNA viruses associated with honey bees \(*Apis mellifera*\)](#).

- Characterization of **four novel viruses** belonging to the Genomoviridae family
- Identification of **28 divergent CRESS DNA** viruses and **70 Microviruses**

EDUCATION

App Academy

Rigorous 1000-hour software development coding bootcamp with <3% acceptance rate, 2022

Arizona State University

Bachelor of Science in Biology (Biomedical Sciences), 2015-2019 | Cum Laude | Deans list freshman-senior

Tempe, Arizona