

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 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 updated/deleted data, and rendered in **O(1) time complexity**.
- Refined and coded application components in an **Agile environment** utilizing a test driven developmental approach.

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.
- Developed **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, AWS)

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- Devised **Bcrypt** to hash user passwords and store hashed password 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**.

EXPERIENCE

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.

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

Tempe, AZ

- **Managed and implemented** nucleotide data sets for academic research via Matlab.
- **Leveraged** BioSystems with the use of NCBI BLAST which increased performance of RT-PCR output by **82%**.
- Counseled in group meetings and intricate planning to further **arrange** the development of the team's research.

PUBLICATION

Co-authored: [Diverse single-stranded DNA viruses associated with honey bees \(*Apis Mellifera*\)](#).

- Discovered **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

Arizona State University

Tempe, Arizona

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