

# Mark Valdez

Full Stack Software Engineer | AWS Cloud Practitioner | React | JavaScript | Python | Docker | Express | PostgreSQL | Sequelize

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🌐 <https://bit.ly/3xuTzty>

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📁 [Professional Portfolio](#)

✉ [markhvaldez@gmail.com](mailto:markhvaldez@gmail.com)

📍 Oahu, Hawaii → Willing to Relocate

## PROJECTS

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**Pair Yo' Pet** (Python, Flask, JavaScript, React, Redux, CSS3, Webpack, PostgreSQL)

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

*Social platform web app built on a Python / Flask backend with React / Redux frontend and SQLAlchemy ORM on top of a PostgreSQL database.*

- Architected backend schema to connect the React frontend to a PostgreSQL database through a RESTful API for app functionality.
- Stored images in AWS S3 for the Pet Profile feature, to reduce server load and allow for scalability.
- Assembled creative database organization for private messaging feature between users to increase interaction on the application.

**QuestTrackr** (JavaScript, HTML5, CSS3, Webpack)

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

*Productivity web app built on an Express.js backend with Pug templating and a Sequelize ORM on top of a PostgreSQL database.*

- Utilized Vanilla JavaScript to render elements from an AJAX call to an API route for a smooth user experience.
- Implemented OOP approach to generate Quest and Raid classes from common Task class to keep code clean and readable.
- Managed DOM events to easily control player input and progress visualization, creating a dynamic application.

**Laughs** (Python, Flask, JavaScript, React, Redux, CSS3, Webpack, PostgreSQL)

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

*Joke sharing web app built on a Python / Flask backend with React / Redux frontend and SQLAlchemy ORM on top of a PostgreSQL database.*

- Leveraged the Redux store to handle all state changes inside the application and present complex data relationships clearly.
- Focused on a single-fetch, normalized Redux state and usage of higher order components that improved the user interface.
- Protected resources via a custom backend and frontend user authentication pattern to prevent any hacking with the application.

## EDUCATION

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**App Academy**

*Curriculum of Study in Web Development (Python and JavaScript)*

**Remote**

October 2020 – March 2021

**Brigham Young University - Hawaii**

*Bachelor of Science in Psychology*

**Laie, Hawaii**

Class of 2019

## WORK EXPERIENCE

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**Freelance Full-Stack Software Engineer**

**Laie, Hawaii**

March 2021 – Present

- Improved website user accessibility at Bay Cove Human Services which saved them over \$4,500 USD.
- Collaborated with experts at Forced Momentum to gain understanding of vision and best practices.
- Constructed customized CRM web application for WeDigitize, that allows customers efficient management of user relationships.

**Accounts Payable Intern**

**Laie, Hawaii**

*Brigham Young University Hawaii – Financial Services*

May 2019 – January 2020

- Worked with close to 2,000 suppliers on payment schedules and problem resolutions that improved credit rating to AA+.
- Utilized Workday, an ERP system to process invoices and purchase orders to lower incorrect payment percentage close to zero.
- Trained over 30 cost center managers on correct supplier invoice request processes that decreased time to payment by two days.

## TECHNICAL SKILLS

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Certified AWS Cloud Practitioner, JavaScript, Python, Ruby, HTML5, CSS3, Git, Slack, Agile, SQL, PostgreSQL, SQLAlchemy, MongoDB, Mocha, Chai, Jest, Cypress, TDD, React, Redux, Flask, Tailwind CSS, Express, Rails, AWS S3, Docker