

GABRIEL LAGUERRE

FRONT END SOFTWARE ENGINEER

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SKILLS

LANGUAGES: Javascript, Python, HTML, CSS, SQL

FRAMEWORKS & LIBRARIES: Flask, Express, Sequelize, SQLAlchemy, Redux, React

OTHER TOOLS & TECHNOLOGIES: AWS S3, Docker

PROJECTS

IVY - inventory management app (ReactJS, Redux, PostgreSQL, Python, Flask, HTML, CSS)

[live](#) | [github](#)

An inventory management web app for production facilities that allows them to have real-time access to the state of their inventory

- Implemented easy and fast navigation to important tables and data, using novel UI design with CSS Table, to provide the user with a better intuitive experience.
- Accomplished signature capabilities on forms using HTML Canvas and FormData on the frontend and signature storage on AWS S3 on the backend to provide valid form signing capabilities
- Achieved successful data viewing and navigation for the frontend by applying both declarative and imperative mappings in the backend for faster retrieval of relevant data
- Created two custom user level authentication measures, each with different access level capabilities, through auth routes in the backend and custom user separation code in the frontend to limit user data manipulation

Ramble - social media app (ReactJS, Redux, PostgreSQL, Python, Flask, HTML, CSS, AWS S3)

[live](#) | [github](#)

A social media web app inspired by Tumblr

- Created a single page reactive web app experience using React and ES6 best practices to allow a user to repost the post of other users.
- Provided the capability to store an image by using AWS S3 in the backend to guarantee to a user that the image that they upload for a post will always be available when other viewers read their post.
- Streamlined the comments component utilizing Redux's one-way state management to allow a user to click on the comments tab to add, delete, or update their comment on the current post.

EXPERIENCE

Founder *Opogy llc*

Jan 2020 - Present

- Mobilized a team of coders to create a personal finance app for Android and iOS devices and gaining 1000 downloads per month
- Developed a database to manage production and quality control data for manufacturing clients using google drive resulting in increased efficiency and better decision making

Plant Manager *Gaz Industriels Associes S.A.*

Jan 2010 - Nov 2019

- Expertly programmed adjustments to equipment generating 5% increase in overall plant efficiency and significantly reducing energy costs.
- Collaborated with cross functional teams worldwide in the electrical and mechanical installation of a \$4 million liquid carbon dioxide production plant.
- Oversaw the certification (FSSC 22000) of the plant and maintained/updated records, trained employees and successfully passed yearly recertification audits.
- Applied a systematic approach, attention to detail, and critical problem-solving techniques to swiftly identify and rectify issues with equipment

EDUCATION

Software Engineering - *App Academy (1000-hour software development course with <3% acceptance rate)* | October 2023

Master of Science in Innovation and Technological Entrepreneurship - *UMass Lowell* | 2013 - 2018

Bachelor of Science in Chemical Engineering - *University of Puerto Rico (RUM)* | 1995 - 1999