GABRIEL LAGUERRE
FRONT END SOFTWARE ENGINEER

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SKILLS

LANGUAGES: Javascript, Python, HTML, CSS, SQL
FRAMEWORKS & LIBRARIES: Flask, Express, Redux, React
OTHER TOOLS & TECHNOLOGIES: AWS S3, Docker

PROJECTS

IVY - inventory management app (ReactJS, Redux, PostgreSQL, Python, Flask, HTML, CSS, Render)   live | github
An inventory management web app for production facilities that allows them to have real-time access to the state of their inventory
- Novel CSS Table design that provides the user with easy and fast navigation to important tabs
- Implemented both declarative and imperative mappings for successful navigation and data manipulation
- Created two user levels (admin, employee), each with access level capabilities through frontend and backend authentication measures

Ramble - social media app (ReactJS, Redux, PostgreSQL, Python, Flask, HTML, CSS, Render, AWS S3)   live | github
A social media web app inspired by Tumblr
- Used React and ES6 best practices to create a single page reactive web app experience
- Connected Flask backend to AWS S3 for media storage and organization
- Utilized Redux's one-way state management to streamline React components, enabling direct data management for form inputs and submissions

Get2Gether - social media app (ReactJS, Redux, PostgreSQL, Javascript, Express, HTML, CSS, Render)   live | github
A Meetup clone that allows users to create and join groups and attend events
- Developed bespoke SQL queries, optimizing server performance by leveraging Active Record associations to retrieve data from multiple tables with a single query
- Utilized Redux's one-way state management to streamline React components, enabling direct data management for form inputs and submissions

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 gas dryers, absorbers, refrigeration units, compressors, and distillation unit liquid flows, generating 5% increase in overall plant efficiency and significantly reducing energy costs.
- Project leader in completing the electrical and mechanical installation of a $4 million liquid carbon dioxide production plant in collaboration with a Danish engineering company.

EDUCATION

Web development - *App Academy (Rigorous 1000-hour software development course with <3% acceptance rate) | Fall 2023*
Masters in Innovation and Technological Entrepreneurship - *UMass Lowell | 2013 - 2018*
BS in Chemical Engineering - *University of Puerto Rico (RUM) | 1995 - 1999*