

Alejandro Bay

Full Stack Software Engineer

New York, NY | +1 347 213 4552 | alejandrobay23@gmail.com | [Linkedin](#) | web: alejandrobay.com

WORK EXPERIENCE

Freelance Full Stack Web Developer

Jan 2022 – Present / New York

- > Debugged and added features to production level codebase utilizing React and Node.js
- > Developed responsive frontend websites using HTML, CSS, JavaScript, TailwindCSS, Vite and React.

Operations Manager @WCS

November 2018– Present / New York

- > Led the development of a web application for inventory control and KPI measurement, generating critical metrics such as purchasing to sales percentage and revenue figures.
- > Using React.js and TailwindCSS for the frontend and Node.js and MongoDB for the backend.
- > Successfully initiated plans to introduce additional software-based solutions to the organization with an estimated ROI of \$1.5M within the first year. Developed project plan timelines, identified resources required for implementation, secured stakeholder buy-in resulting in successful delivery ahead of schedule.

Business Support Coordinator @Sanofi

2010 - 2015/ Caracas Venezuela

- > Lead projects as a Junior Project Manager with the development team and the business Operations team to train and implement augmented reality on the first local development of iOS apps for the company.
- > Generated executive reports detailing KPI metrics to provide data-driven insights to the leadership team for decision-making, resulting in a 15% revenue increase within the first quarter.
- > Analyzed sales data using advanced statistical techniques to identify gaps in current processes, presenting actionable recommendations that led to a 10% improvement in sales performance nationwide.

Business Support Senior Analyst @Atento

2007 – 2010/ Caracas Venezuela

- > Analyzed sales data to identify untapped growth opportunities, leading to the implementation of new cross-selling tactics that resulted in \$1M in incremental revenue.
- > Collaborated with cross-functional teams to streamline lead management processes and implement new CRM technology, resulting in a 20% reduction in sales cycle time.

EDUCATION

New Professions Technical Institute

Caracas, Venezuela

Bachelor of Science in Computer Science

Nov 2014

SKILLS & INTERESTS

Programing & Query Languages: JavaScript, Python, SQL, HTML, CSS

Libraries & Frameworks: Vite, React.js, Bootstrap, TailwindCSS, Express, Redux, Node.js

Software: Microsoft Office365, Adobe Suite.

Languages: English and Spanish.

PROJECTS

Papelon Inventory Management – (React, Node.js, TailwindCSS, Express, Redux)

[Demo](#) [Github](#)

- > Inventory Management System to control Food Cost on Food Service Establishments.
- > Dynamic SKU generator, and filters on search.
- > Developed frontend in React and Styling on TailwindCSS, with a company MVP Landing page.
- > Developed Node.js API to seamlessly combine multiple endpoints and generate the exact data needed.
- > Implemented authorization/authentication using JSON Web Tokens and encrypted passwords using the BCrypt library.
- > Added KPI Dashboard using Redux to calculate and segment data.

Lego- Work Orders Tracker – (React, Node.js, TailwindCSS, Express, Redux)

[Demo](#) [Github](#)

- > Work Orders Tracker, allowing tracking of service request on the Operations Team at WCS.
- > Developed frontend in React and Styling on TailwindCSS, with a company MVP product, waiting for company approval.
- > Developed Node.js API to seamlessly combine multiple endpoints and generate the exact data needed.
- > Implemented authorization/authentication using JSON Web Tokens and encrypted passwords using the BCrypt library.

LinkedIn Clone– (React, HTML, CSS)

[Demo](#) [Github](#)

- > Created a Twitter clone that utilizes a RESTful API backend to allow users to add, delete, like, and unlike messages. Implemented user sign up, authorization, and authentication using Flask session, local storage, and Flask global variables. Leveraged SQLAlchemy to dynamically query and update the relational database using many-to-many relationships.
- > Achieved over 90% test coverage between unit and integration tests across the entire codebase.

Airbnb-Clone– (React, Bootstrap, Firebase backend)

[Demo](#) [Github](#)

- > Developed an Airbnb Clone with a Firebase backend.
- > Authentication using Firebase Store and Google authentication.
- > Pages and routes, User can create listings and update.
- > Contact vendors and leave messages.