

Alejandro Marcano

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FULL-STACK APPLICATION DEVELOPER

Software Engineer with background in mathematics (BA in Math) and math education. My journey from math teacher to software engineer began with a love of technology and sports. Ambitious Flatiron School Software Engineering program and Penn State math graduate developing user-friendly websites with clean code. I bring the ability to work quickly, act readily, and have the willingness to push comfort zone boundaries. My experience includes working with nonprofits aiding families in need during the pandemic, providing math education for Latino immigrants, and making websites for small businesses.

TECHNICAL SKILLS

Javascript, React, Rails, Postgresql, Heroku, HTML, CSS, Spanish, Italian, English

TECHNICAL PROJECTS

Joga Amsterdam Website , [Website GitHub](#)

Sports website

- Designed the Joga Amsterdam website
- Used React for the frontend and Rails for the backend. Postgresql was used for the database
- Integrated automated emails for account activation and authentication for the user
- Created a player and team database for coaches
- Coach can create teams and players. Coach can also keep progress of his players

Clothing and Jewelry Store , [GitHub](#)

E-commerce shopping website

- Built an E-commerce website using vanilla javascript
- Includes a user-friendly shopping layout and a shopping cart for the user
- Includes a search function and the ability to add and delete items from the shopping cart
- Fetched from a public api

Recipe Manager, [GitHub](#)

Recipe website

- Built a recipe website using react
- Fetched from a recipe api. Allows users to find recipes and store them in their favorites. Gives the user the ability to create a recipe and store it in a json file

Flatiron Airways, [Frontend Backend](#)

Airline management website

- Built an airline management website using React and Ruby. Allows users to add a customer to a flight with a unique customer id.
- Created my own api with Ruby and fetched from that api. Displays to the user all the flights, customers, and planes. Used Ruby to store all data about planes, customers, and pilots.
- Used CSS to create a simple and beautiful layout for the user

Stat Tracker, [GitHub](#)

Stat Tracker for Teams

- Built a stat tracker website using React and Rails
- Implemented authentication so that the user can see their team and change their stats
- Created my own api using Rails
- Used Postgresql to manage my database

PROFESSIONAL EXPERIENCE

Yorktel

Web Developer

- Maintained and updated the front-end of the social security administration website using html and css [Website](#)
- Published social security administration press releases on their website
- Updated the FAQ section of the SSA website
- Collaborated with other developers to publish content

Washington D.C.
February 2021 – August 2021

The Family Place Public Charter

Math Teacher

- Planned, developed, and executed lessons that reflect the CASAS math curriculum
- Evaluated social and academic growth of students, who predominantly came from central or south america
- Adapted CASAS math curriculum for small groups and individuals

Washington D.C.
February 2021 – August 2021

Identity Inc.

Case Manager, Family Pandemic Support

- Provided assistance to individuals that were affected due to the pandemic
- Used Microsoft Excel to organize and present client information
- Designed and implemented solutions that the majority of the organization uses

Washington D.C.
March 2021 – July 2021

EDUCATION

Flatiron School: Full Stack Web Development, Ruby on Rails and JavaScript programming bootcamp (2022)

Washington D.C.

Pennsylvania State University: Bachelor of Arts (BA) in Mathematics (2020)

State College, PA