Alex Araiza

+34 672 62 38 77   alexandre.araiza@gmail.com

alexaraiza.github.io   github.com/alexaraiza   in/alexaraiza

Skills

Node.js, React, Express, Flask, Next.js, Gatsby, JavaScript, TypeScript, Python, SQL, GraphQL, HTML, CSS, PostgreSQL, Firebase, Heroku, AWS

Projects

Sopars de duro (React, Gatsby, Firebase)   Website | Code

Static website for a cooking blog with over 180 recipes

- Achieved a 98 % reduction in navigation time and an 83 % reduction in load time using React and Gatsby, greatly improving user experience
- Simplified page builds and optimization using Gatsby's GraphQL API
- Simplified data management by centralizing it on Firebase's NoSQL database as JSON

Price tracker (Flask, JavaScript, PostgreSQL, Heroku)   Website | Code

Web app to track the price of online items

- Used ORM with SQLAlchemy to simplify PostgreSQL database connection
- Improved price fetching algorithm accuracy by adding price history to database schema
- Improved app reliability by unit testing critical parts of the codebase

Infection simulator (HTML, CSS, JavaScript)   Website | Code

Web app to simulate the spread of an infectious disease

- Added user interactivity during simulation, improving user experience
- Improved simulation performance by optimizing collision detection algorithms
- Used object-oriented design principles to structure the codebase, resulting in cleaner code

Volunteering experience

IT Lead   September 2021 – Present

LineHayat

- Coordinated a team of 4 engineers to accelerate development of a real-time chat system using Node.js, React, TypeScript and WebSockets, ensuring timely delivery for pilot testing
- Led recruitment efforts that resulted in the addition of 2 new developers to the team
- Introduced new feedback system using cookies, reducing server memory usage

Education

App Academy   September 2021

Full stack web development curriculum

Polytechnic University of Catalonia   October 2020

Bachelor's degree in Industrial Technology Engineering