






Christian Garza

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Education

Bachelor of Science, Physics
University of California,
Riverside
2017

Skills

Programming Languages

- JavaScript
- TypeScript

Technologies

- HTML/CSS
- ReactJS
- Redux
- Node.js
- GraphQL

Profile

Full-stack engineer with experience creating performant single page applications with responsive layouts using UI and state management libraries such as ReactJS and Redux. Strong foundational knowledge in programming principles and best practices.

Professional Experience

Wood Mackenzie | February 2022 - May 2024 | Remote - Los Angeles, CA

Software Engineer II | June 2023 - May 2024

Full-stack engineering from creating data pipelines using AWS Glue and Elasticsearch, to Node.js backends using Apollo GraphQL, to creating and maintaining React, Mapbox, and Highcharts data visualization components with large datasets utilizing TypeScript.

- Migrated UI and API of legacy Lens Power web application to Lens platform, a unified data analytics platform for energy solutions, while maintaining feature parity.
- Optimized frontend and Elasticsearch query performance. In some cases, reducing size of data responses from Elasticsearch by ~40%.
- Helped maintain platform stability by monitoring and resolving CI/CD related issues and build processes.
- Supervised a co-op and provided mentoring for their entire cycle. Helped them develop their software development skills while they contributed to our product alongside the team.

Software Engineer I | February 2022 - June 2023

Created and maintained new components and features to our web application, touching everything from our databases into our data pipelines, through our backend APIs, and into our React frontend.

- Involved in creating, managing, and debugging various data pipelines involving AWS services such as Step Functions, Lambdas, and S3.
- Contributed to Supply Chain Intelligence Platform, which is a web application that helps organizations identify their supply chain risks and costs and manage them.

Projects

Pokedex React

<https://pokedex-react.surge.sh/>

Created and designed a responsive single page application consuming a RESTful API to visualize pokemon data. Achieved using a front-end stack consisting of React, Redux, and React Router.

- Contributed to the open-source RESTful API this project was consuming and helped improve their workflow by restructuring and eliminating over 7000 images while adding features.

P2P React

<https://garza-p2p-react-bbfbd0ab2ce.herokuapp.com/>

Created a video/text chat single page application where peers communicate with each other via WebRTC and websockets. Achieved using React and Node.js/Express.

Spicy Green Book Volunteer | January 2021 - April 2021

Helped contribute to their non-profit website/mobile app by resolving various issues and implementing new enhancements and features using React Native.