

Anthony Marin

Software Engineer

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Technical Skills & Technologies

JavaScript (ES6+), TypeScript, React, React Router, Redux, Node.js, Express, Next.js, SQL(Postgres), NoSQL(MongoDb) GraphQL, RESTful API's, webpack, TDD (Jest|Supertest), CI/CD, OpenTelemetry, HTML, CSS/SASS/SCSS, TailwindCSS, OAuth

Experiences

Gala | Software Developer | September 2023 - February 2024

- Architected a Next.js dashboard with configured components for optimal client-side and server-side rendering, resulting in a 40% faster page load time and 75% improved server response time.
- Programmed React to create a library of reusable, extensible components, accelerating feature delivery by 30% and ensuring seamless frontend scaling for a rapid expansion in app functionality.
- Implemented TailwindCSS's utility-first approach to faithfully replicate Figma designs and streamline the styling process, resulting in 50% faster development cycles and consistent visual elements throughout the application.
- Developed custom controller for OpenAI API on Express server, enabling real-time data streaming, context-aware chat, and enhancing client engagement and interaction, achieving a 50% reduction in help center requests.
- Defined and fine-tuned PostgreSQL database tables to establish robust data relationships, enabling access to interactive datasets, facilitating faster decision-making and driving substantial operational advancements.
- Engineered RESTful API architecture with Node.js/Express to implement effective routing through the use of middleware design patterns to ensure efficient communication between frontend requests and the relational database.

Mist (Open Source Product) | Software Engineer | March 2022 - August 2023

- Integrated React to improve UX by minimizing re-renderings through the use of the virtual DOM and ensuring synchronized and easily maintainable metrics chart display with an enforced unidirectional data flow.
- Configured GraphQL with Cloudflare's built-in API to gather data on deployed serverless functions, establishing baseline performance expectations on an edge network vs in a simulated environment on a developer's local machine.
- Designed an Express server using middleware pattern for incrementing session numbers and storing metrics in a specified relational database in order to isolate business logic and improve application scalability and debugging.
- Optimized vendor-agnostic telemetry data collection and processing with OpenTelemetry, implementing a data pipeline to record chronological spans and deliver performance metrics, enhancing data visibility and analysis.
- Applied script to load predefined tables into a SQL database enabling developers to store ACID compliant session specific metrics on provided database instances, eliminating hosted database costs and ensuring privacy.
- Leveraged Chart.js to graph key metrics (request/response time, errors vs. successes, average performance) enhancing serverless functions' observability with pie, bar, and scatter charts for clearer interpretation.
- Utilized Jest and Supertest for end-to-end and integration testing, pinpointing defects as part of our CI/CD pipeline and enforcing continued deployment without compromising software performance.

Open Source

Branch Out | Software Engineer | April 2024 - April 2024

- Integrated React and React Router to build modular components for efficient rendering of individualized park pages, enhancing app scalability for future improvements and reducing backend requests.
- Applied Bootstrap via CDN to apply custom CSS styling on UI that allows reviews on current NYC park blossoms taking advantage of CDN caching capabilities resulting in an enhanced UX and app performance.

Link | Software Engineer | February 2022 - February 2022

- Developed a lightweight SPA using React that renders a map displaying local events, leveraging Material-UI components for rapid development of user interface, resulting in a seamless user experience.
- Web-enabled Google Maps SDK to render a map in relation to the data obtained by the Ticketmaster API to place markers on the map where events were happening within a 25 mile radius of the inputted zip code.

Education

- Codesmith | Advanced Residency for Software Engineering | April 2022 - July 2022
- City University of New York, Hunter College | B.A | August 2015 - June 2018

Talks/Publications

- Single Sprout Tech Talk: Introduction to GraphQL
- Medium Article: What is Mist? Development tool for Cloudflare Workers

Hobbies & Interests: Playing ultimate frisbee | Barbecues | Biking at Prospect Park | Taking pictures of my dog | Space