Julio Ramirez De Freitas

Frontend Engineer

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As a web developer, I create products with passion and purpose, focusing on seamless human-machine interactions and interface design. I specialize in React, TypeScript, and modern web architectures, building high-performance, scalable applications. My experience includes real-time data processing, interactive UIs, responsive designs and frontend performance optimizations. I'm committed to growth, staying updated on industry trends, and currently exploring motion design, GSAP, and Three.js to enhance digital experiences.

Professional Experience

Miami, Florida, United States   September 2024 — January 2025
Freelance Front End Developer - Remote

Worked as a freelance frontend developer on a platform used by financial institutions. My responsibilities included designing and implementing interactive user interfaces for features such as client suitability analysis, investment management, and portfolio reporting. I focused on creating intuitive and responsive UIs, enhancing usability, and integrating various data visualizations to support better decision-making in financial services.

Protera, Santiago, Chile   April 2022 — September 2024
Front End Developer - Hybrid

At Protera, a biotechnology company, I contributed to the development of madi, an AI-powered web platform for protein engineering design, analysis, and optimization, creating advanced interactions and data visualization tools.

- Designed, developed, and maintained the madi SaaS platform and its marketing website, ensuring scalability and performance, while enabling clients to leverage AI models for discovering and analyzing complex outputs. This empowered clients to achieve significant efficiency gains, saving hundreds of labor hours and thousands of dollars.
- Developed and built UI components and modules with complex functionalities and interactions, ensuring a robust, scalable, and interactive design tailored for protein engineering. Focused on optimizing user interaction with the platform, enabling seamless utilization of its capabilities.
- Collaborated with a multidisciplinary team of AI experts, biochemists, biological engineers, protein designers, and UI/UX specialists to build innovative software solutions.
- Led the frontend development team, managing task prioritization, estimation, and architectural decisions focused on scalability, maintainability, and performance.

IDA, Santiago, Chile   March 2021 — March 2022
Fullstack Developer - Remote

- Developed and maintained multiple web projects usingJTML, CSS, Javascript, PHP, React, and Vue.js.
- Designed and built a reusable accessibility plugin, enabling basic visual accessibility features across client projects.
- Led the update of the ticket sales system for Centro Cultural La Moneda, migrating to a new Transbank SDK version.
- Led the integration of PayPal payments and a WebSocket-based queue system for an internal ticketing platform.
- Developed and maintained REST APIs using Node.js and MongoDB.

- I developed a Progressive Web App (PWA) for exam queries, handling both the frontend (React.js, Next.js) and backend (Django). Additionally, I designed the database and implemented the user interface to provide a seamless and efficient experience.
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- I also played a key role in developing an accreditation system for mass events, used in multiple Duoc UC events, including Microsoft's Congreso del Futuro and Netflix's Merlí Talk. This project won first place in the 2018 Duoc UC Hackathon.

Education

Computer Engineering
Duoc UC, Region Metropolitana, Chile

Areas of Expertise

- HTML
- Typescript
- NodeJS
- Redux
- Apollo Client (GraphQL)
- Frontend Architecture
- Github
- CI/CD

- CSS
- SQL
- React
- Zustand
- Jest
- Design systems
- Github Actions

- Javascript
- PLSQL
- Vue
- React Router
- Vitest
- Git
- Docker