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With more than a decade of experience building software, my journey has spanned the high-stakes worlds of FinTech, the fast-paced scalability of e-Commerce, and the impactful missions of EdTech. While I've spent recent years mastering the modern frontend with React, TypeScript, and Next.js, my foundation is genuinely full-stack, with hands-on experience in building APIs with Node.js, managing databases, and configuring CI/CD pipelines.

I thrive on solving complex problems and believe the best solutions come from understanding the complete technology picture. I value the collaborative synergy between engineering and product teams, enjoy leading initiatives that enhance application architecture, and am now eager to apply my full-stack capabilities to contribute to and grow within an innovative team.

Technical Skills

Core Technologies React • TypeScript • Next.js • Node.js

Experience With

Frontend

State Management

TanStack Query, React Query (REST), Apollo Client (GraphQL), Redux, MobX

Styling

Styled-Components & CSS modules (CSS-in-JS), SASS Preprocessor

Platforms

Retool (Low-code Development)

Backend

Frameworks

Koa, Express

Databases

PostgreSQL, MySQL, Snowflake

DevOps & Cloud

Version Control & CI/CD

Git, GitFlow, GitLab CI, GitHub Actions, Jenkins, Bitbucket

Platforms

AWS, Docker, Google Cloud Platform, Azure, Vagrant

Web Engineering

Analytics & Event Tracking

Amplitude, Segment, Google Analytics, Adobe Analytics

Experimentation

Optimizely (A/B Testing), Unleash (Feature Management)

Performance Optimization

Lighthouse, Bundle Analyzer

Debugging & Profiling

React DevTools, Chrome DevTools

AI Tooling

Claude Code, Cursor IDE, Gemini, ChatGPT

Testing & Methodologies

Libraries

React Testing Library, Enzyme (Unit Testing)

Frameworks

Playwright, Cypress, Jest (Integration & E2E Testing)

Methodologies

Scrum (Agile), Kanban

Platforms

JIRA, TestRail

Professional Experience

Distillery Tech, Inc • *Senior Software Engineer & Company Team Lead*

May 2021 – Present

Altruist Corp [FinTech] (Contractor, Aug 2022 - Present)

- Architected and led the full-stack migration of the core platform's data-fetching layer, deprecating a complex GraphQL Mesh in favor of a robust Koa.js proxy server in the Backend-for-Frontend gateway. This initiative resolved critical data synchronization issues, reduced system complexity, and significantly improved developer experience and API performance.
- Pioneered and drove the adoption of TanStack Query as the primary state management library for the frontend, leading the subsequent refactor of the entire application to align with a modern, RESTful architecture.
- Developed a suite of high-impact internal tools and financial report generators using Retool, enabling operations teams to automate complex workflows such as financial file parsing, transaction approvals, and gain/loss analysis, directly increasing operational efficiency.
- Enhanced application-wide UX and security by implementing state-driven URL management for complex modules, architecting role-based access controls, and building a scalable feature flag system to de-risk production releases.

Thrive Market, Inc [e-Commerce] (Contractor, May 2021 – Jul 2022)

- Built the company's core analytics pipeline by implementing the Amplitude SDK, providing the Data team with clean event data to drive product experimentation.
- Partnered with Product to launch high-impact A/B tests using Optimizely, successfully validating new features and increasing user conversion rates.
- Contributed to the component-driven CMS framework that enabled the Marketing team to independently build and launch their own content campaigns.
- Developed the platform's foundational e-commerce systems, including the unified product catalog and shared cart, to ensure a seamless and scalable shopping experience.

Globant S.A. • *Software Designer & Senior Web UI Developer*

Feb 2017 – May 2021

Great Minds, PBC [Ed-Tech] (Contractor, Apr 2021 - May 2021)

- Using modern tools like TypeScript and Next.js, I built key features for a major e-learning platform, directly helping educators and students access better instructional content.

iSeatz, Inc / American Express Company [Travel] (Contractor, Feb 2017 - Mar 2021)

- Built and scaled the frontend for a large-scale travel booking site, creating a fast and reliable single-page application with React and Redux.
- Working side-by-side with business and QA teams, I turned complex requirements into user-friendly features for their digital travel commerce platform.
- Helped improve the CI/CD pipeline using Jenkins, which resulted in more stable and predictable software releases.

** I was promoted to Software Designer after consistently taking the lead on the design and development of successful client applications.

Independent Consultant • Full-Stack Web Developer

Jul 2016 – Feb 2017

- Modernized client web applications by introducing Node.js and early automated build tools, helping businesses transition from legacy systems to modern JavaScript architectures.
- Built both web and mobile applications, including integration of critical third-party APIs (like Stripe, PayPal, Google Analytics), and managed server deployment for online products.

PME Consulting • Web Developer & IT Collaborator

Feb 2015 – Jul 2016

- Developed web applications and microsites, focusing on SEO and analytics, and provided IT infrastructure support including web hosting and cloud administration for Google Cloud Platform and Azure.

Universidad Autónoma de San Luis Potosí • Database Developer (Internship)

Aug 2014 – Feb 2015

- Developed and administered database structures for real-time web applications, processing solar energy sensors data to generate key performance indicators (KPIs) for clients.

Education

Universidad Autónoma de San Luis Potosí
Bachelor's Degree, Informatics Engineering
San Luis Potosí, Mexico
2009 – 2015

Languages

English (Professional Working)
Spanish (Native)