

Jimmy Guzman Moreno

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Engineering Leader | React, TypeScript, Node.js | Scalable Frontend & System Design

Technical leader with deep expertise in **frontend architecture** and **full-stack systems**. Proven track record of **driving cross-team technical strategy**, **scaling engineering platforms**, and **elevating developer experience**. Skilled at **building products and platforms that accelerate teams** and deliver **meaningful business outcomes**, with a focus on **scalable, modern frontend solutions**.

Key Strengths & Strategic Impact

- **Platform Engineering Leadership** – Built **NX monorepos and Turborepo architectures** supporting **15+ teams** across frontend and backend services, enabling independent deployments and reducing development friction
- **Cross-Team Technical Strategy** – Partnered with Principal Engineers and Directors to **define company-wide hiring standards** and technical evaluation processes.
- **System Modernization at Scale** – Led **AngularJS → React migration**, improving frontend load times by **75%** while ensuring business continuity
- **Developer Platform Optimization** – Reduced **CI/CD build times by 83%** (**30+ min → 5 min**), accelerating delivery across multiple product teams
- **Enterprise Standards & Design Systems** – Created **enterprise component library** and **engineering standards** adopted by **15+ teams**, improving code quality and velocity
- **Scaling Engineering Talent** – Mentored **50+ engineers**, fostering growth into **Senior and Lead roles** and strengthening organizational technical capability
- **Full-Stack Performance Engineering** – Achieved **70% API latency reduction** and **75% faster frontend rendering** through backend optimization and modern React patterns

Technical Skills

- **Frontend Platforms:** React, SolidJS, Next.js, Astro, React Router v7
 - **Languages:** TypeScript, JavaScript, Java, Kotlin, Groovy
 - **Backend & APIs:** Node.js (Express, Fastify), bun, GraphQL, REST, Kafka, PostgreSQL, MongoDB, Redis, Prisma, Drizzle
 - **Platform Engineering:** Vite, Turborepo, NX, webpack, Rollup, GitHub Actions, Jenkins, Docker, Infrastructure as Code (IaC)
 - **Testing & Observability:** Vitest, Playwright, Jest, Cypress, Testing Library, Mock Service Worker, OpenTelemetry, Grafana
 - **Developer Experience:** Monorepo Architecture, Build Optimization, Static Analysis, Performance Engineering, Feature Flagging
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Professional Experience

Lead Engineer – Supply Chain Technology – Target (Jan 2021 – Present)

Technical Strategy & Cross-Organizational Leadership

- **Key contributor to company-wide technical hiring strategy** through **Tech Case Study Working Group**, collaborating with Principal Engineers & Directors to shape hiring standards and technical evaluation processes
- **Orchestrated migration strategy from AngularJS to React** for supply chain systems, establishing patterns and best practices adopted across Target's supply chain engineering organization
- **Designed full-stack platform solutions** supporting **high-volume inventory & fulfillment operations**, balancing performance, scalability, and developer experience
- **Drove adoption of modern development practices** including TypeScript standards, reducing production bugs by **40%**
- **Provided decisive technical leadership to a backend team building an internal AI platform**, redefining product direction and leading a rapid redesign from a fragile SPA to a server-rendered application with a modern UI. Set a clear technical roadmap, coached the team through a one-week recovery sprint, and stabilized delivery, saving the product and restoring stakeholder confidence.

Platform Engineering & Developer Experience

- **Re-architected CI/CD pipelines** cutting build times by **83%** (30+ min → 5 min), improving developer velocity
- **Implemented Turborepo monorepo architecture**, enabling **independent deployments** and **shared libraries** across frontend applications and backend services
- **Migrated dependency management to PNPM**, resolving version conflicts and reducing install times

System Architecture & Performance

- **Designed and implemented React Router v7 migration**, reducing frontend load times by **75%** while maintaining backward compatibility
- **Built batch query APIs**, reduced response times by **70%** and improved application responsiveness
- **Led migration from Sequelize to Prisma**, improving **database performance, type safety, and developer experience** across backend services
- **Built backend proof of concept solving performance and scalability challenges** in retrieving item data from distributed systems
- **Designed Key Activation Service**, accelerating mainframe decommissioning effort by **6 months** and reducing operational costs
- **Developed Next.js adoption proof of concept**, implementing key requirements to enable **internal design system component library support**, including **App Router** compatibility
- **Led delivery of a core Pre-Order Pickup capability in one month**, using architectural vision and scope control to enable inventory analyst-driven pre-order quantities through internal tooling, typed APIs, and event-driven workflows, supporting Target-wide rollout.

Engineering Leadership & Talent Development

- **Led full-stack engineering team** overseeing multiple frontend applications, APIs, and databases with **direct impact on Target's supply chain operations**
- **Mentored 15+ engineers** across multiple teams, leading to **multiple promotions to Senior & Lead roles**
- **Improved engineering hiring as Talent Captain**, leading technical interviews and establishing case study evaluation frameworks

- Partnered with UX teams to establish **design system & component library**, ensuring UI/UX consistency across supply chain applications
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Senior Lead Engineer – Ameriprise (2018–2021)

Platform Engineering & Organizational Architecture

- Led full-stack team for guest access platform, delivering new guest access to Ameriprise.com features using **Java and React**, setting the stage for the new guest access platform
- Built and launched enterprise **React component library**, standardizing UI development for **15+ engineering teams**
- Built NX monorepo architecture, enabling **multiple applications with independent deployments** and **optimized CI/CD pipeline to deploy only affected projects**, improving deployment efficiency and reducing build times
- Led **Engineering Standards Committee**, defining and implementing best practices adopted across **all frontend teams** in the organization
- Owned **Create React App-like tooling platform**, standardizing frontend builds and reducing project setup time by **75%**

Technical Leadership & System Modernization

- Led frontend modernization initiative, transitioning legacy applications to **React & TypeScript** while maintaining business continuity
- Built API-driven application architecture, improved **frontend-backend integration and system scalability**
- Architected scalable **CI/CD pipelines**, accelerating deployments and improving release confidence across multiple product teams

Engineering Culture & Talent Development

- Mentored **25+ engineers** across multiple teams, driving **multiple promotions to Senior roles** and establishing technical mentorship frameworks
 - Accelerated engineer onboarding by **75%** through standardized developer tools
 - Established **technical interview processes** and evaluation criteria for frontend engineering roles
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Freelance Web Developer (2016–2018)

- Architected and built responsive web applications for small businesses, implementing modern frontend best practices and performance optimization
 - Improved client conversion rates through **fast, accessible, and mobile-friendly UI design**, reducing page load times and enhancing user experience
 - Implemented **SEO optimization strategies**, improving search rankings and organic traffic for client businesses
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Education & Professional Development

- **California State University, Fresno** – Computer Engineering (2007–2010)
 - **Treehouse** – Front End Techdegree, Computer Science (2017–2018)
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Passionate about **building scalable frontend platforms, driving technical strategy across organizations, and developing high-impact engineering teams** that deliver world-class software experiences.