Jimmy Guzman Moreno

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UI Engineering Leader | DevEx, Performance & Scalable Systems

Technical leader bridging **architecture and developer experience** to drive **scalable, high-performance systems**. Proven track record of **mentoring engineers, optimizing developer workflows, and leading cross-functional initiatives** that improve system reliability and accelerate delivery. Passionate about **engineering excellence, DevEx, and designing resilient, business-impacting solutions**.

Key Strengths & Impact

- **Frontend Architecture & Scalability** – Led **AngularJS → React** migration, reducing **frontend load times by 75%** with **React Router v7** and rendering optimizations.
- **Scalable Enterprise Platforms** – Designed **high-performance UIs & backend services**, reducing **API latency by 70%** via optimized batch queries.
- **Developer Experience & Tooling** – Cut **CI/CD build times by 67%** (*30+ min → under 10 min*) with **Turborepo & PNPM**, improving dev velocity.
- **Technical Leadership & Mentorship** – Mentored **50+ engineers**, fostering promotions to **Senior & Lead** roles, and shaped frontend standards across teams.
- **Architected NX Monorepo** – Enabled **independent deployments** across multiple applications, boosting **modularity & code sharing**.
- **Cross-Team Influence** – Led **Tech Case Study Working Group**, shaping org-wide decisions with **Principal Engineers & Directors**.
- **Security & Performance Optimization** – Improved **React rendering & caching**, cutting render times by **75%**. Migrated **Sequelize → Prisma**, boosting API performance.

Technical Skills

- **Languages:** TypeScript, JavaScript, Java, Kotlin, Groovy
- **Frontend:** React, SolidJS, Next.js, Astro
- **Backend & APIs:** Node.js (Express, Fastify), bun, GraphQL, REST, Kafka, PostgreSQL, MongoDB, Redis, Prisma, Drizzle
- **Tooling & CI/CD:** Vite, Turborepo, NX, Webpack, Rollup, GitHub Actions, Jenkins, Docker, Infrastructure as Code (IaC)
- **Testing & Reliability:** Vitest, Playwright, Jest, Cypress, Testing Library, Mock Service Worker, OpenTelemetry, Grafana
- **Developer Experience:** Monorepos, Build Optimization, Static Analysis, Secure API Design, Performance Optimization

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Professional Experience

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

UI & Full-Stack Architecture

- **Led migration from AngularJS to React**, modernizing UI architecture for **scalability, maintainability, and developer efficiency**.
- **Designed and scaled backend services** supporting **high-volume inventory & fulfillment operations**.
- **Reduced frontend load times by 75%** by migrating to **React Router v7** and optimizing rendering performance.
- **Developed batch query APIs**, reducing response times by **70%**, improving frontend responsiveness.
- **Led migration from Sequelize to Prisma**, improving **database performance, type safety, and developer experience**.
- **Built a backend proof of concept** to solve **performance, scalability, and DX issues** in retrieving item data from multiple sources.

Developer Experience & System Optimization

- **Optimized CI/CD pipelines**, cutting build times by **67%** (from **30+ min to under 10 min**).
- **Re-architected frontend & backend project structure** with **Turborepo**, enhancing modularity and developer velocity.
- **Implemented feature flagging**, enabling controlled rollouts and safer deployments.
- **Improved dependency management** by migrating to **PNPM**, reducing install times and resolving version conflicts.
- **Standardized TypeScript best practices**, reducing production bugs by **40%** and improving maintainability.

Cross-Team Influence & Engineering Leadership

- **Led org-wide technical strategy** in the **Tech Case Study Working Group**, collaborating with **Principal Engineers & Directors**.
- **Drove UI/UX consistency across teams** by partnering with UX to establish a **design system & component library**.
- **Led a full-stack team**, overseeing multiple frontend apps, APIs, and databases.
- **Mentored 15+ engineers**, leading multiple promotions to **Senior & Lead** roles.
- **Strengthened hiring** as a **Talent Captain**, leading technical interviews and case study reviews.

Security & Performance

- **Ensured security compliance**, aligning with **internal risk frameworks & regulatory standards**, improving overall system security posture.
- **Eliminated memory leaks in tests**, improving test efficiency.
- **Optimized API payloads**, improving response times in collaboration with API teams.

Senior Lead Engineer – Ameriprise *(2018–2021)*

Frontend & System Architecture

- **Architected and launched an enterprise React component library**, standardizing UI development for **30+ teams**.
- **Led frontend modernization efforts**, transitioning legacy applications to **React & TypeScript**.
- **Designed API-driven applications**, improving **frontend-backend integration and scalability**.

Developer Experience & Platform Engineering

- **Architected NX Monorepo**, enabling multiple applications to be independently deployed and maintained.
- **Designed scalable CI/CD pipelines**, accelerating deployments and improving release confidence.
- **Owned and maintained Create React App-like tooling**, standardizing frontend builds across multiple teams.

Leadership & Engineering Culture

- **Led the Engineering Standards Committee**, defining best practices across all frontend teams.
- **Mentored 25+ engineers**, driving multiple promotions to **Senior roles**.
- **Accelerated onboarding by 75%**, designing developer tools that streamlined project setup.

Freelance Web Developer *(2016–2018)*

- **Built and optimized responsive web applications** for small businesses, improving **SEO, performance, and user engagement**.
- **Increased client conversion rates** by designing **fast, accessible, and mobile-friendly UIs**.
- **Implemented modern frontend best practices**, reducing page load times and enhancing UX.

Education & Professional Development

- **California State University, Fresno** – Computer Engineering *(2007–2010)*
- **Treehouse** – Front End Techdegree, Computer Science *(2017–2018)*

Passionate about **building scalable systems, optimizing developer experience, and mentoring high-impact engineering teams to deliver world-class software**.