

# Jimmy Guzman Moreno

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## Lead Engineer | System Architecture | Developer Experience | High-Performance 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**.

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## Technical Skills

- **Languages:** TypeScript, JavaScript, Java, Groovy
  - **Frontend:** React, SolidJS, Next.js, Astro
  - **Backend & APIs:** Node.js (Express, Fastify), GraphQL, REST, Kafka, Redis, PostgreSQL, MongoDB
  - **Tooling & CI/CD:** Vite, Webpack, Rollup, Turborepo, NX, GitHub Actions, Jenkins
  - **Testing & Reliability:** Vitest, Playwright, Jest, Cypress, Testing Library
  - **Infrastructure & Observability:** Docker, IaC (Infrastructure as Code), OpenTelemetry, Grafana
  - **Engineering Leadership:** Technical Strategy, Developer Experience, Mentorship, Security Best Practices, Hiring & Talent Development
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## Professional Experience

### Lead Engineer & System Architect – Target (*Jan 2021 – Present*)

#### System Architecture & Modernization

- **Reduced load times by 75%** by leading migration to **React Router v7**, improving both UX and developer ergonomics.
- **Accelerated build times by 50%** by migrating to **Vite**, enhancing developer productivity.
- **Designed a high-performance batch query API**, cutting response times by **70%**—recognized with the **2022 IPC Partner Award**.
- **Increased API efficiency by 40%** with a custom **Node.js HTTP client**, reducing latency across services.
- **Streamlined microservice development**, cutting time-to-production for new services.
- **Led mainframe decommissioning strategy**, accelerating ITA shutdown by **6 months** with a key activation service.
- **Implemented feature flagging**, enabling controlled feature rollouts and safer deployments.
- **Improved dependency management** by migrating to **PNPM**, reducing install times and resolving version conflicts.
- **Re-architected project structure** with **Turborepo**, improving build scalability.

## Engineering Leadership & Best Practices

- **Reduced production bugs by 40%** by enforcing **stricter TypeScript practices**.
- **Drove initiative ownership** by implementing **Kanban & Ship Captains**, improving delivery speed.
- **Bridged engineering & product gaps** with **BDD-written stories**, improving collaboration.
- **Standardized version control** with commit conventions, improving release tracking.
- **Mentored 15+ engineers**, helping multiple advance to **Lead Engineer** roles.
- **Strengthened hiring** as a **Talent Captain**, leading interviews and case study reviews.
- **Led STEM outreach** with **Tech2Elevate**, bringing engineering education to high school students.

## Cross-Team Influence & Collaboration

- **Shaped org-wide technical strategy** in the **Tech Case Study Working Group** with Principal Engineers & Directors.
- **Led architecture discussions** in APPO, streamlining cross-team integrations.
- **Drove UI/UX consistency enterprise-wide** by partnering with UX to introduce a **design system & component library**.
- **Hardened chatbot security**, eliminating **SCA vulnerabilities**.
- **Expanded knowledge-sharing** by contributing to React, TypeScript, and JavaScript engineering communities.

## Security & Performance

- **Maintained high security compliance**, keeping the platform's **PI Score near 850**.
  - **Optimized CI/CD pipelines**, cutting build times by **67%** (from **30+ min to under 10 min**).
  - **Eliminated memory leaks in tests**, improving test efficiency.
  - **Drove observability adoption**, implementing **TAP-compliant logging**.
  - **Prevented performance degradation** by designing a **microservice** to replace a deprecated API.
  - **Optimized API payloads**, improving response times in collaboration with API teams.
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## Senior Lead Engineer – Ameriprise (2018–2021)

- **Accelerated onboarding by 75%** by architecting **scalable developer platforms**, improving team efficiency.
  - **Built & launched an enterprise React component library**, streamlining frontend development for **30+ teams**.
  - **Mentored 50+ engineers**, helping multiple advance to **senior roles** while improving React & TypeScript proficiency.
  - **Designed high-performance, API-driven applications** in collaboration with backend teams.
  - **Enhanced CI/CD automation**, streamlining deployments and improving monitoring.
  - **Established engineering best practices**, elevating code quality through reviews & documentation.
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### **Freelance Web Developer (2016–2018)**

- **Built and optimized responsive web apps** 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.
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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 systems, optimizing developer experience, and mentoring high-impact engineering teams to deliver world-class software.**