Jimmy Guzman Moreno

Minneapolis, MN | hi@jimmy.codes | jimmy.codes

Staff Engineer | Full-Stack Architecture & Distributed Systems | React, TypeScript, Node.js

Staff-level engineer specializing in full-stack architecture, distributed systems, and platform design at enterprise scale. Experienced in shaping cross-team technical direction, modernizing legacy systems, and building developer platforms that enable high-performing engineering organizations.

Key Strengths & Strategic Impact

- **Platform Architecture** – Designed and implemented NX and Turborepo monorepo architectures supporting 15+ teams across frontend and backend services, enabling independent deployments and reducing cross-team friction
- **Cross-Organizational Technical Strategy** – Partnered with Principal Engineers and Directors to define company-wide hiring standards and technical evaluation frameworks
- **Large-Scale System Modernization** – Led AngularJS to React transformation across supply chain systems, eliminating waterfall data-loading patterns and improving load times by 75 percent without service disruption
- **Developer Platform Optimization** – Re-architected CI/CD pipelines, reducing build times by 83 percent (30+ minutes to 5 minutes) and accelerating delivery across product teams
- **Enterprise Standards & Design Systems** – Built an enterprise React component library and engineering standards adopted by 15+ teams
- **Distributed Performance Engineering** – Reduced API latency by 70 percent and improved frontend rendering performance by 75 percent through architectural and backend optimizations
- **Technical Mentorship & Organizational Leverage** – Mentored 50+ engineers across teams, with multiple promotions to Senior and Lead roles

Technical Skills

- **Frontend:** React, SolidJS, Next.js, Astro, React Router
- **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
- **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

Professional Experience

Lead Engineer, Supply Chain Technology

Target | Jan 2021 – Present

Technical Strategy & Architectural Leadership

- Contributed to company-wide technical hiring strategy through the Tech Case Study Working Group, collaborating with Principal Engineers and Directors
- Defined modernization strategy for AngularJS to React migration across supply chain systems, establishing architectural patterns adopted organization-wide
- Designed full-stack distributed systems supporting high-volume inventory and fulfillment operations
- Drove adoption of TypeScript standards and modern development practices, reducing production defects by 40 percent
- Owned multi-year technical roadmap for a large supply chain domain spanning numerous capabilities, sequencing modernization and architectural evolution across a broad surface area

Platform Engineering & Developer Experience

- Re-architected CI/CD pipelines, reducing build times by 83 percent and improving developer velocity
- Implemented Turborepo-based monorepo architecture enabling independent deployments and shared libraries across frontend and backend services
- Migrated dependency management to PNPM, resolving version conflicts and improving installation performance
- Re-architected frontend build and testing toolchain to accelerate feedback loops, introducing modern bundling, testing, and static analysis infrastructure that improved developer velocity and reduced CI friction
- Drove documentation strategy at the platform level by building centralized engineering knowledge system capturing architectural decisions, design artifacts, and technical investigations, strengthening institutional memory and onboarding efficiency
- Established component-driven development as the default frontend architecture, leveraging Storybook to codify reusable UI patterns and significantly reduce time to market

System Architecture & Enterprise Delivery

- Architected and delivered a distributed pre-order pickup capability integrating REST APIs and event-driven workflows, enabling Target-wide adoption within one month
- Re-designed frontend routing and data-loading architecture during React Router migration, eliminating waterfall patterns and reducing load times by 75 percent
- Designed batch query APIs reducing response times by 70 percent and improving system responsiveness
- Led migration from Sequelize to Prisma, improving database performance, type safety, and maintainability
- Built proof-of-concept backend architecture addressing scalability challenges in distributed item data retrieval
- Designed Key Activation Service accelerating mainframe decommissioning by six months
- Developed Next.js proof of concept enabling internal design system compatibility with App Router
- Defined and built microservice platform architecture enabling UI teams to rapidly deliver APIs through standardized service scaffolding, shared patterns, and integrated CI/CD workflows

Organizational Impact

- Led full-stack engineering team supporting multiple applications, APIs, and databases critical to supply chain operations
- Mentored engineers across teams, resulting in multiple promotions to Senior and Lead roles
- Led technical interviews and contributed to evaluation frameworks as Talent Captain
- Partnered with UX to establish a scalable design system across supply chain applications
- Enabled rapid AI platform UI rebuild using Next.js and React
- Partnered with leadership to transition team from Scrum to Kanban, improving delivery flow, reducing work-in-progress, and increasing predictability

Senior Lead Engineer

Ameriprise | 2018 – 2021

Platform Architecture & Organizational Modernization

- Led full-stack development for guest access platform using Java and React
- Led frontend engineering team through CMS transition, establishing architectural standards and delivery practices
- Built enterprise React component library adopted across 15+ teams
- Architected NX monorepo enabling independent deployments and optimized CI/CD pipelines
- Led Engineering Standards Committee defining frontend best practices organization-wide
- Built internal tooling platform standardizing frontend builds and reducing setup time by 75 percent
- Pioneered organization-wide end-to-end testing strategy using TestCafe, integrating automated E2E coverage into CI/CD pipelines and improving release confidence across frontend teams
- Partnered in organization-wide Agile transformation, co-defining engineering maturity model to align delivery standards, technical quality, and team scalability

System Modernization & Delivery

- Led transition of legacy applications to React and TypeScript while maintaining operational continuity
- Architected a GraphQL Node.js backend-for-frontend proof of concept to evaluate service composition, reduce client-side data complexity, and inform long-term API strategy
- Designed API-driven application architecture improving frontend-backend integration and scalability
- Architected CI/CD pipelines improving release confidence across product teams

Freelance Web Developer

2016 – 2018

- Architected and delivered responsive web applications for small businesses
- Improved performance and accessibility, increasing conversion rates
- Implemented SEO strategies improving search visibility and organic traffic

Education

California State University, Fresno – Computer Engineering Treehouse – Front End Techdegree