

JORDAN MORANO

Staff Software Engineer | Full-Stack TypeScript/JavaScript | Distributed Systems

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PROFILE

Staff software engineer with 10+ years building mission-critical, cloud-native systems handling billions in transactions. Expert in TypeScript/JavaScript, Ruby/Rails, and Elixir/Phoenix with a proven track record delivering high-stakes platforms (10+ auctions valued at \$40B+) with 100% uptime. Led frontend teams and distributed systems architecture. Passionate about performance optimization, developer tooling, and applying engineering to meaningful challenges.

WORK EXPERIENCE

Staff Software Engineer (Front End Lead)

PowerAuctions LLC, Washington, DC (remote)

07/2022 - Present

- Modernized frontend architecture through TypeScript migration and performance optimization, reducing first-paint latency by seconds and improving Core Web Vitals.
- Architected and delivered cloud-native distributed systems handling 2M+ user actions monthly, including real-time messaging infrastructure, non-repudiation framework, and configuration management platform (Elixir/Phoenix LiveView).
- Led delivery of 10+ high-stakes auction platforms valued at \$40B+ with 100% on-time deployment, reducing system latency by 500ms and improving scalability by 20%.
- Spearheaded AI-enhanced engineering practices, building custom MCP servers and internal analytics tools that increased team velocity by 25% through automated code review, MR badging, and intelligent documentation.
- Define technical direction and sprint priorities across 10+ concurrent projects, improving delivery predictability and cutting release bottlenecks by 50%.
- Mentor engineers across the stack in distributed systems design, testing, TypeScript, performance optimization, and AI-augmented development workflows.

Senior Software Engineer *(promoted from within)*

PowerAuctions LLC, Washington, DC (remote)

03/2018 – 03/2021, 08/2021 – 06/2022

(Returned following a brief tenure at Envoy to lead key modernization initiatives.)

- Designed and implemented a non-repudiation and user-tracking system across multiple microservices, capturing over 2M user actions monthly for compliance and QA in high-stakes auction environments.
- Established a secure runtime permissions framework, isolating JS and CSS bundles by user scope to strengthen system integrity and prevent cross-tenant access in multi-client deployments.
- Architected and built the Configurator Platform (Elixir/Phoenix LiveView), a real-time configuration management system with git-like branching that reduced developer iteration time by 50% and enabled product teams to manage 100% of content changes autonomously.
- Engineered real-time messaging infrastructure using WebSockets, optimizing for low-latency (<100ms) and secure, encrypted communication across distributed auction systems.
- Delivered 10+ high-stakes auction platforms valued at hundreds of billions of dollars, collaborating with DevOps and product teams to ensure 100% on-time deployments and zero downtime during live auctions.

Senior Software Engineer

Envoy (Remote)

04/2021 - 07/2021

- Enhanced the frontend of a workplace management platform using Ember.js, focusing on scalability and maintainability.
- Refactored and modularized critical components, improving reusability, test coverage, and code quality.
- Advocated for and implemented best practices for component design and testing

Co-founder / Senior Software Engineer

IcarusWorks LLC, Burlington, VT

01/2016 - 03/2020

- Led the development of multiple client-facing full-stack applications using modern frameworks, including Node.js, Ruby on Rails, Elixir/Phoenix, React, and Ember.js.
- Collaborated directly with clients to identify requirements, design tailored technical solutions, and delivered robust, production-grade applications that consistently exceeded client expectations.
- Advised development teams on scalable, service-oriented architectures and best practices for cloud-based deployments.
- Served as a lead consultant for PowerAuctions LLC (07/2017 – 03/2018), designing and implementing core front-end architecture that led to a full-time engineering offer.

Junior Software Developer (*promoted from Intern*)

Agilion, Burlington, VT

04/2014 - 01/2016

- Advanced from intern to full-time engineer within months, taking on client-facing feature development and leading implementation of core product enhancements.
- Implemented REST API endpoints and crafted responsive UI components using modern JavaScript frameworks, enhancing usability and client satisfaction.
- Identified and resolved performance bottlenecks in JavaScript-based applications, improving frontend responsiveness by 50%.
- Delivered scalable, user-centric solutions tailored to small and mid-sized clients in a fast-paced, collaborative environment.

ADDITIONAL EXPERIENCE**Operations Associate / Analyst**

Ospraie Management LLC, New York NY | Capital Fund Management S.A., Paris FR

10/2005 – 03/2009

- Managed multi-billion-dollar hedge-fund operations, reconciling daily trades and positions across nine funds.
- Oversaw margin, credit-risk, and P&L analysis for accounts exceeding \$500 M–\$6 B, ensuring accuracy under tight deadlines.
- Led process-automation initiatives that improved reconciliation efficiency and transparency between operations and trading teams.

KEY PROJECTS**Configurator Platform** – *Elixir Phoenix, LiveView, S3, Ruby on Rails*

Architected and delivered a live-preview configuration and translation management platform processing 10K+ config changes annually across multiple auction systems. Introduced git-like branching, change review, and release management, cutting developer iteration time by 50% and enabling product/QA teams to manage 100% of feature flags and content updates autonomously. Reduced production incidents related to misconfiguration by 75%.

Snapshot Microservice – *Node.js, DOM serialization, distributed rendering pipeline*

Built a distributed microservice to capture and render user-action snapshots at scale, processing more than 1 million screenshots during high-value auctions and enabling on-demand replay for admin users and compliance audits. Designed for horizontal scaling to handle peak auction traffic (1K+ concurrent users).

Frontend System Architecture – *JavaScript, TurboRepo, asset pipeline optimization*

Designed a scoped asset delivery system that optimized JS class loading pre-tree shaking. Established a monorepo architecture for shared functionality and seamless app navigation, unifying the user experience across products.

SKILLS

Languages: JavaScript/TypeScript (ESNext), Ruby, Elixir, Python, SQL

Frontend: React, TypeScript/JavaScript (ESNext), Next.js/modern frameworks, performance optimization

Backend: Ruby on Rails, Elixir/Phoenix, Node.js, REST APIs, WebSockets, microservices architecture

Infrastructure: AWS, Docker, PostgreSQL, Redis, CI/CD (GitLab CI, CircleCI)

AI/Tooling: OpenAI/Anthropic APIs, custom MCP development, AI-augmented workflows

Testing: Jest, Cypress, QUnit, Mocha, TDD/BDD

Other: Distributed systems, OAuth/JWT, Stripe integration, Agile, mentoring, technical leadership

EDUCATION

General Assembly, Boston, MA — *Web Development Immersive* (2014)

University of Connecticut, Storrs, CT — *B.S. Business Administration (Finance)* (2005)

PERSONAL INTERESTS

Outside of work, I enjoy parenting and family adventures, reading, hiking Vermont's trails, running, and playing Nintendo games.