

# JORDAN MORANO

**Version Control:** GitLab (extensive CI/CD pipelines) | GitHub

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## PROFILE

Staff software engineer with 10+ years building mission-critical systems handling billions in transactions. Expert in JavaScript/TypeScript, Ruby/Rails, and Elixir/Phoenix with a proven track record delivering high-stakes platforms (10+ auctions valued at \$40B+) with 100% uptime. Background in hedge fund operations (Capital Fund Management, Ospraie Management) before transitioning to software engineering provides unique insight into building reliable, high-stakes systems. Led AI adoption initiatives increasing team velocity by 25%. Passionate about performance optimization, distributed systems, and mentorship.

## WORK EXPERIENCE

### Staff Software Engineer

PowerAuctions LLC, Washington, DC (remote)

07/2022 - Present

- Architected and delivered 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%.
- Modernized frontend architecture through TypeScript migration and performance optimization, reducing first-paint latency by seconds and improving Core Web Vitals.
- 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, SQL, Python (familiar)

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

**Frontend:** React, Ember.js, Vue, Angular, Svelte, performance optimization

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

**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.