

# JORDAN MORANO

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

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## PROFILE

Staff software engineer with 11+ years building high-performance, distributed systems at scale. Expert in TypeScript/web components and backend architecture, with proven success leading frontend modernization and developer productivity initiatives. Delivered mission-critical platforms (\$40B+ value) with 100% uptime while driving 50% team velocity improvements through AI-augmented tooling and performance optimization.

## SKILLS

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

**Frontend:** React, Ember, Next.js, Vite, TurboRepo, Web Performance/Core Web Vitals

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

**Infrastructure:** AWS, Docker, Kubernetes, PostgreSQL, Redis, Distributed Systems

**CI/CD & Tools:** GitHub Actions, GitLab CI, CircleCI, Datadog, Sentry

**AI/Automation:** OpenAI/Anthropic APIs, MCP servers, AI-augmented workflows

**Practices:** TDD/BDD, Agile, Technical Leadership, Mentoring, Code Review

## WORK EXPERIENCE

### Staff Software Engineer (Front End Lead)

PowerAuctions LLC, Washington, DC (remote) — 03/2018 - Present

*Promoted from Senior Engineer (07/2022) | Brief tenure at Envoy (04/2021-07/2021)*

- Led frontend architecture modernization across distributed auction platform ecosystem (3 npm packages, 5 Ember applications) and supporting microservices, reducing build times by 60% and improving Core Web Vitals
- Architected and maintain critical microservices: Configurator (real-time config/translation management with S3-backed live preview for pre-event setup), Screenshot service (DOM-to-PDF/PNG for printing and compliance), and Manage control plane for auction orchestration
- Built end-to-end compliance system spanning Web Components, Phoenix WebSockets, and Express/Chromium microservice, capturing 1M+ interactions per auction event with real-time DOM compression and on-demand screenshot generation for regulatory compliance
- Engineered Configurator platform processing 100K+ configuration changes annually with 99.9% uptime, reducing config deployment time by 80% and config-related incidents by 40% while enabling 25+ non-technical users to manage 85,000+ keys independently

### Co-founder / Senior Software Engineer

IcarusWorks LLC, Burlington, VT — 01/2016 - 03/2020

- Led full-stack development (Node.js, Rails, Elixir/Phoenix, React, Ember.js) and served as lead consultant for PowerAuctions (07/2017-03/2018), designing core frontend architecture

### Junior Software Developer

Agilion, Burlington, VT — 04/2014 - 01/2016

- Advanced from intern to full-time engineer, implementing REST APIs and responsive UI components
- Identified and resolved performance bottlenecks, improving frontend responsiveness by 50%

*Previously: Financial Operations Analyst at hedge funds managing \$6B+ portfolios (2005-2009)*

## KEY PROJECTS

### **Non-Repudiation & Compliance Platform** – *Web Components, Phoenix WebSockets, Chromium*

Engineered forensic audit system capturing every user interaction with compressed DOM states and on-demand screenshot generation. Processes 1M+ snapshots per auction event, enabling instant dispute resolution and regulatory compliance for \$40B+ in high-stakes auctions.

### **Distributed Auction Platform & Architecture** – *TypeScript, Elixir/Phoenix, microservices*

Architected service mesh with 4 microservices including Configurator (100K+ changes/year, 85,000+ keys) and Snapshot compliance system (7-year production system tracking 80+ action types). Git-like versioning and live preview cut deployment risks 70%, unified pipeline improved performance 60%.

### **Developer Productivity Platform** – *TypeScript, custom MCPs*

Engineered AI-augmented developer tooling (3 custom MCP servers for GitLab, Configurator, and Sentry integration) enabling 10+ developers to process 800+ merge requests with 19% sustained velocity increase and 50% faster deployments

## EDUCATION

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

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

## PERSONAL INTERESTS

Parenting & family adventures • Vermont hiking & running • Nintendo games • AI innovation