

JORDAN MORANO

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

✉ jordan.morano@gmail.com 📞 +1 (603) 306-1725 📍 Vermont 🌐 turnstonetechsoftware.com

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 99.9% 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)

- Modernized a distributed frontend ecosystem (5 Ember apps, 3 npm packages), cutting build times 60% and improving Core Web Vitals
- Architected and maintain core auction microservices, including:
 - Configurator – real-time configuration and translation platform (100K+ changes / year, 85K+ keys) with 99.9% uptime, empowering 25+ non-technical users to manage auction rules and translations independently
 - Screenshot Service – DOM-to-PDF/PNG pipeline for printing and regulatory evidence
 - Manage Control Plane – orchestrates auction lifecycle events and real-time state management
- Delivered compliance and non-repudiation system ensuring verifiable audit evidence and instant dispute resolution for \$40B+ in regulated transactions
- Led internal AI collaboration sessions introducing MCP-based developer workflows, accelerating adoption across engineering teams

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 real-time audit and evidence system capturing every user interaction with compressed DOM states and batched screenshot generation. Processes 1M+ snapshots per auction for \$40B+ in regulated transactions, ensuring verifiable compliance and instant dispute resolution. Also leveraged internally by QA and product teams for test validation via the same snapshot stream.

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

Designed and built the Configurator platform (100K+ changes/year, 85K+ keys) powering all auction configuration and translation management. Built S3-backed release pipeline with live staging previews, integrated Manage application for release orchestration, and extended main API for dynamic S3 file loading. Empowered developers and QA to directly update keys/values for new project requirements while safely testing production-identical environments. Git-style versioning reduced configuration-related risk 70%.

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 • AI innovation