Tyler Wall

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SUMMARY

I build developer platforms that multiply what engineering teams can do. AI-native paved roads that eliminate cognitive load so teams ship patient features, not fight pipelines.

Platform Core: Internal Dev Platforms, Paved Roads / Golden Paths, Self-Service Infrastructure, Platform Abstractions, Developer Tooling

DevEx Stack: CI/CD Pipelines, Build Systems, Deployment Safety, Observability, Feedback Loops

Technologies: AWS, Docker, Kubernetes, Datadog, Kafka, Redis

EXPERIENCE

Staff Software Engineer | AI Systems Architect, Unicity International | Provo, Utah   **Jan 2025 – Jan 2026**
Tech Stack: GenAI, LLMs, TypeScript, Python, AST Parsing, PHP, AWS, Kubernetes, GitHub Actions, CI/CD, Context Engineering, MCP

- **AI Sprint Intelligence:** Built pre-grooming system using historical transcripts as KB. Double-blind validated at +/-1 story point accuracy. 2.5x team velocity, 13% sprint efficiency gain, prevented production outage.
- **Migration Agent at Scale:** Prototyped migration patterns for 300 endpoints in hours, automating 80% of boilerplate. Engineers freed for testing and edge cases. Platform leverage at scale.
- **QA from Zero:** Built 0 to 1,500 automated test cases driven by business requirements from tickets and QA features, not AI-generated boilerplate. Deployment safety through coverage.
- **AI Governance:** After AI agent modified routing tables breaking production, established read-only AI accounts and DevOps approval workflows. AI drafts full tickets with rationale for human review.

Engineering Manager / Technical Lead, Unicity International | Provo, Utah   **Nov 2023 – Jan 2026**
Tech Stack: Redis, Datadog, LaunchDarkly, PHP, Laravel, Docker, AWS, CI/CD, TravisCI, BPF

- **Paved Roads That Work:** Built real-time debugging platform (Redis/Xdebug/BPF) that engineers adopted by choice. 95% MTTR reduction because it solved actual problems, not theoretical ones.
- **Platform ROI:** Delivered $336K+ annual savings while improving reliability. The kind of platform investment that makes finance and engineering both happy.
- **Developer Metrics at Scale:** Built 50 per-developer daily/weekly reports tracking adoption and bottlenecks per-ticket/per-feature/per-developer. Turned support overhead from 25% to <5% through data-driven tooling, not directives.
- **Deployment Safety:** Led first load test in company history—5 sessions, zero failures. Created a culture where teams want to load test.

Principal Engineer, ButcherBox | Remote   **Feb 2022 – Oct 2023**
Tech Stack: OpenAI GPT-3, React, TypeScript, Node.js, Azure, Kubernetes, CI/CD, GitHub Actions, Shopify, Instacart

- **Strategic Influence:** Single-handedly led Instacart integration and drove Shopify migration end-to-end. Advised executive leadership on platform roadmaps and build-vs-buy decisions.
- **AI Pioneer:** Drove GPT-3 adoption (2022, pre-ChatGPT) demonstrating ROI that justified AI tooling budget organization-wide.
- **Cross-Functional Alignment:** Worked with Operations, Customer Service, and Engineering to connect platform investments to business priorities. Platform decisions made with stakeholders, not for them.

Senior Lead Software Engineer, ButcherBox | Boston, Massachusetts   **Jul 2019 – Feb 2022**
Tech Stack: Kubernetes, Helm, Docker, Event-Driven Arch, Microservices, Azure, TypeScript, CI/CD, GitHub Actions, Zendesk

- **Platform Benchmark:** Built Operations team from 0 (solo) to 9 engineers across 3 squads, creating the platform other teams measured against for Testing, Stability, and Documentation.
- **Proactive Developer Empathy:** Self-initiated DR-tolerant SDK now deployed company-wide. Solved pain points before they became blockers.
- **Fast Feedback Loops:** In first 90 days, boosted performance 87% and established feedback loops that prevented regression.

Principal Engineer, Janeiro Digital | Boston, Massachusetts   **Jan 2019 – Apr 2019**
Tech Stack: Solid Protocol, React, Node.js, Decentralized Web

- **Team Unblocking:** Rescued failing project 6 months behind schedule by restructuring architecture and enabling 6-8 remote developers to deliver successfully.
- **Platform for Compliance:** Delivered real-time quoting engine handling complex state-specific regulations—a platform engineers could build on without regulatory expertise.

VP of Engineering & Lead Systems Architect (Founder), O2O HQ | O2O Global Marketplace | American Fork, Utah

Jun 2015 – Nov 2018

Tech Stack: AWS, Aliyun, PHP, Rest API, Fintech

- **Cross-Border Platform Engineering:** Designed distributed architecture spanning AWS (US) and Aliyun (China). Solved latency challenges so engineers didn't have to think about them.
- **Self-Service Integrations:** Built unified logistics engine integrating 8+ providers. Abstracted complexity so teams could ship without provider-specific knowledge.

Founder & Principal Solutions Architect, Antic Solutions | Springville, Utah

Jan 2013 – Jun 2017

Tech Stack: Node.js, Angular, PHP, E-commerce

- **Performance Engineering:** Directed NewBalance.com performance initiatives improving speed and conversion. Measurable developer experience outcomes.
- **Fractional CTO:** Operated as engineering leader for multiple clients. Established standards and practices that outlasted engagements.

Senior Software Engineer & Team Lead, Modernized Media | Draper, Utah

2014 – 2015

Tech Stack: Marketplace APIs, Automation, SQL

- **Platform Automation:** Led multi-channel sales automation achieving +1,700% YOY sales. A platform that multiplied team output.
- **DevEx Tooling Pioneer:** Developed core development tools and coding standards that every project at the company ran on. Engineers inherited a working baseline instead of starting from scratch.

Software Engineer, InsideSales.com | Provo, Utah

Jul 2014 – Oct 2014

Tech Stack: AngularJS, Symfony 2, Doctrine, PHP, Salesforce, Git

- **Early DevEx Champion:** Implemented quality gates (linting, test requirements, coverage blockers)—one of the earliest developer experience initiatives at the company.
- **Shipping While Improving:** In 90 days, delivered the only two new features. The quality gates I put in place stayed — other developers kept using them because they caught real issues.

EDUCATION

Computer Software Engineering

2010 - 2013

Utah Valley University

Associate's Degree, Pre-Professional Associate in Science

2007 - 2009

Utah Valley University

PATENTS

Optimized Caching and Updating of Custom Assets RSS Algorithm (2012)

Process Patent for a native asset caching system that significantly improved load speeds across fragmented mobile platforms.

HONORS & AWARDS

Eagle Scout + 3 palms | New Century Scholarship | Dean's List