

Patrick Badley

Eden Prairie, MN · 614.562.0309 · patrickbadley@gmail.com · linkedin.com/in/patrickbadley

Software Architect & Technical Lead

Systems Architecture · APIs & Integrations · Modern Web UIs · Identity & Security

PROFESSIONAL SUMMARY

Hands-on software architect and technical lead with 18 years of experience building and shipping distributed systems across client technology consulting, supply-chain platforms, and five years at a publicly-traded technology company. Combines architectural leadership with prolific hands-on execution, directly delivering 1,100+ merged pull requests across 50+ production repositories. Proven authority in translating complex requirements into production code, from end-to-end mobile passwordless authentication and resilient event-driven microservices to in-place API latency optimizations. Known for breaking down complex architectural trade-offs, delivering pragmatic solutions, and mentoring engineers to raise the standard of what teams build together. Consistently recognized with top-tier performance reviews throughout career, including Upstart's highest rating of Extraordinary.

CORE COMPETENCIES

- **Systems Architecture & Design:** Distributed systems, microservices decomposition, enterprise application and ERP integration patterns, gRPC/Protobuf, REST API design, event-driven architectures (Kafka, RabbitMQ), domain-driven design, technical proposals and due diligence.
- **Modern Web UIs & Frontend:** React, Next.js, TypeScript, Microfrontends, Angular, React Native, dynamic CSS theming, responsive application design.
- **Identity, Auth & Security:** Keycloak (custom SPI extensions, multi-realm, custom auth flows), OAuth 2.0, OpenID Connect (OIDC), passwordless & biometric auth (Face ID, magic links), MFA (TOTP, Email OTP), Okta, token exchange, WAF & rate limiting.
- **Languages & Core Frameworks:** Kotlin, TypeScript, JavaScript, Ruby, C#, Java, SQL, Bash, Ruby on Rails, .NET Core / ASP.NET, React, Next.js, Python.
- **Cloud, Data & Observability:** AWS, Microsoft Azure, Kubernetes, Helm, Docker, Datadog, SumoLogic, PostgreSQL, Microsoft SQL Server.
- **Engineering Leadership & Developer Experience:** Agile leadership (Professional Scrum Master / PSM I), release engineering and automated CI/CD pipelines (Azure DevOps, GitHub Actions, Jenkins), developer experience (engineered automated containerization in developer CLI to streamline microservice development), technical training (developed and taught internal Microsoft certification bootcamps at HMB; conference speaker at CodeMash), technical interviewing and hiring (system design rubrics), Engineering Excellence Guild leadership, AI-augmented development workflows.

PROFESSIONAL EXPERIENCE

Upstart · Senior Software Engineer · Platform Architecture & Identity

Feb 2021 – Sep 2026 · Remote

Publicly-traded technology marketplace connecting consumers and financial institutions.

- **Enterprise Systems & CRM Integration:** Championed adoption of event-driven architectures and service extraction. Led a dedicated initiative extracting mission-critical enterprise CRM integration logic from a legacy monolith into a resilient, highly available Kafka microservice, decoupling business systems and preventing downstream data corruption during third-party platform outages.
- **API Design & Integration Standards:** Designed high-throughput, secure REST and gRPC API surfaces consumed across multiple internal teams and external partner platforms. Acted as primary technical authority on inter-service communication patterns and schema design.
- **Platform Modernization & Release Automation:** Overhauled deployment workflows by implementing automated smoke tests, regression test suites, and rollback-safe migration paths. Reduced deployment cycles from multi-hour manual processes to under 60 minutes executable by any team member, supporting 40+ production releases with zero rollbacks.

- **In-Place Performance Optimization:** Profiled and resolved critical account-creation bottlenecks in place, cutting API p95 latency by ~60% (from 2 seconds to ~750ms) with a measured conversion lift, eliminating the need for an expensive asynchronous client refactor.
- **Engineering Leadership & Mentorship:** Served as primary organizer of the company-wide Engineering Excellence Guild for approximately two years, driving monthly architectural deep-dives. Conducted system design interviews, helped author the technical interview rubric, and mentored multiple engineers across teams.
- **Developer Tooling & Developer Experience:** Overhauled local developer workflows across the organization, containerizing core services and automating local configuration to eliminate environment setup friction. Led implementation of the team's agentic AI developer tooling, architecting cross-service context and custom log-analysis triage tooling to accelerate development velocity under strict human review.

Vantage Point Logistics (VPL) · Solutions Architect & Dev Team Lead

Sep 2019 – Jan 2021 · Columbus, OH

Healthcare supply chain software platform.

- **Solutions Architect (2020–2021):** Promoted after 9 months as Dev Team Lead to define company-wide software architecture direction while continuing to lead the engineering team. Partnered with engineering and product leadership on technical initiatives, led architecture across concurrent development teams, and oversaw the department automated testing practice.
- **Development Team Lead (2019–2020):** Led engineering team modernizing core single-page web applications using .NET Core, Angular, and MediatR. Built Azure DevOps CI/CD deployment pipelines with automated unit, integration, and Selenium UI test suites, dynamic PR test environments, and sub-two-minute production deploys.

HMB Partners · System Architect & Senior Consultant

Sep 2011 – Sep 2019 · Columbus, OH

Enterprise technology consulting firm delivering custom software, architecture, and cloud solutions.

- **Enterprise Client Leadership:** Advanced from Software Developer to Senior Consultant, Development Team Lead, and System Architect over eight years of continuous client delivery. Led cross-functional engineering teams of up to 8 developers across manufacturing, retail, and corporate enterprise clients.
- **Enterprise Retail & POS Integrations:** Architected high-volume, event-driven data integrations between client eCommerce platforms and in-store Point of Sale (POS) systems using RabbitMQ message brokers and SQL Server Change Data Capture (CDC).
- **Architecture Modernization & Vendor Rescues:** Conducted technical assessments and legacy application takeovers for troubled enterprise systems. Re-architected inherited codebases into maintainable ASP.NET Web API and modular service architectures supported by automated Azure DevOps CI/CD pipelines.
- **Cloud & Container Transformations:** Prototyped microservices and containerization architectures for corporate cloud migrations utilizing .NET Core, Angular, Docker, and Kubernetes on Microsoft Azure.
- **Technical Training & Standards:** Taught internal engineering bootcamps on ASP.NET Core, software design patterns, and Azure DevOps. Conceived and led the Microsoft Exam certification study series and delivered technical presentations at industry conferences including CodeMash and CodePaLOUsa.

Earlier Experience

- **The CGS Group** · Web Developer (2010–2011)
- **Exceptional Innovation** · Software Developer (2008–2009)

EDUCATION & PROFESSIONAL CERTIFICATIONS

- **M.S., Computer Science** — Franklin University
- **B.S., Computer Science** — Miami University
- **Microsoft Certified Solutions Developer (MCSD):** Web Applications
- **Professional Scrum Master I (PSM I):** Scrum.org