

Christopher Lombardi

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Professional Profile

Principal Software Engineer with 12+ years of experience leading architecture, enterprise application design, and distributed cloud systems. Proven track record of defining technical direction, scaling systems, driving cross-functional platform standardization, and leading organizational improvements across engineering and product teams.

Designs secure, scalable, and cost-efficient cloud-native solutions while leading enterprise modernization initiatives and influencing organizational strategy and engineering practices.

Core Impact

- Lead architecture and technical direction for Confluence's flagship global regulatory reporting platform, a multi-tenant enterprise system serving 55+ clients across 40+ jurisdictions. Ensure scalable, reliable, and compliant design while driving the consolidation and modernization of multiple legacy products into a unified, industry-leading platform that supports ongoing client onboarding.
 - Architected and led enterprise adoption of a unified test data platform across 3 teams, standardizing data generation and enabling deterministic, full-system validation for a multi-product platform.
 - Orchestrated cross-functional SCRUM transformation for a 17-person team, replacing hybrid SDLC practices with scalable agile delivery, significantly improving throughput, quality, and planning accuracy.
 - Influence product and architectural decisions across multiple teams and external stakeholders, resolving complex design disagreements and aligning engineering efforts with business objectives.
 - Translate complex system challenges into clear technical deliverables, architecture artifacts, and actionable work plans.
 - Define and lead adoption strategy for AI-assisted development across four engineering teams, establishing best practices and frameworks for safe, efficient, and innovative coding workflows.
 - Lead resolution of complex distributed system bugs and performance issues while identifying architectural risks, cost trade-offs, and cloud utilization impacts.
 - Shape engineering talent strategy through hiring contributions, promotion evaluations, technical leveling frameworks, interview standards, and career ladder development for team members and self.
 - Mentor engineers and technical leads through structured guidance, documentation, and knowledge-sharing initiatives.
 - Direct production incident response and postmortem analyses, establishing processes for incident triage, backlog prioritization, and proactive monitoring to ensure system reliability, resilience, and client satisfaction across multiple teams.
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Technical Skills

Architecture: Distributed systems, DDD, CQRS, event-driven patterns, Vertical Scale Architecture

Cloud & DevOps: Azure (Functions, Logic Apps, Data Factory, and more), Kubernetes, IaC, CI/CD pipelines

Data & Messaging: Azure SQL, MongoDB, Service Bus, gRPC, ETL/ELT pipelines, Redis, SignalR

Security: Auth0, OAuth2 & secure API design, Azure Key Vault, Azure App Gateway, OWASP, Veracode

Languages: C#, SQL, TypeScript, JavaScript, PowerShell, Bash

Frameworks: .NET Core, React, Orleans (actor model), Entity Framework, Dapper, xUnit, TestContainers

Tools: Visual Studio, VSCode, Claude Code, ReSharper, React Dev Tools, Docker

Experience

Confluence Technologies Inc. — Principal Software Engineer (2015–Present, 10+ years) Lead architectural direction, team processes, platform modernization, production reliability strategy, and engineering standards across multi-team initiatives.

Problem Solutions LLC — Software Engineer (2013–2015, 2.5 years) Developed enterprise cloud applications and supported DevOps delivery pipelines.

Education

B.S. Computer Science — University of Pittsburgh at Johnstown (2014)