ROBERT FELKINS

Solutions Architect | .NET · Azure · Cloud-Native · AI-Augmented Development
312-493-9696 • robert@architect4hire.com

PROFESSIONAL SUMMARY

Solutions architect specializing in scalable, resilient .NET platforms — from greenfield cloud-native systems to enterprise modernization. Deep experience in distributed systems, API-first and service-oriented design, event-driven architecture, and AI-augmented development. I stay hands-on: writing production code, mentoring teams, and setting the architectural standards that keep systems performing at scale.

CORE TECHNICAL SKILLS

.NET Framework/Core 1.0–10.x, ASP.NET, C#
Cloud & DevOps Azure (Functions, Service Bus, Cosmos DB, AKS), CI/CD, containers
Web Angular, TypeScript, HTML5/CSS, REST APIs
Data SQL Server, EF Core, LINQ, Cosmos DB (NoSQL & Gremlin graph)
Architecture Microservices, cloud-native, event-driven, layered/modular design
AI-Augmented Dev GitHub Copilot Enterprise/Pro+, Claude Code, ChatGPT
Practices Scrum, TDD, code review, continuous integration
Non-Functional Scalability, performance, fault tolerance, security, maintainability

PUBLICATIONS

Author, *Practical AI Assisted Development* (2026) — introduces the SCRUB framework (Scope, Constraints, Restrictions, Usage, Behavior) for disciplined, governed AI-assisted software delivery, demonstrated through a working .NET reference application (AspireCafe2026).

PROFESSIONAL EXPERIENCE

Architect — Architect4Hire.com

Jan 2022 – Present

Founder and principal architect delivering fractional architecture and hands-on engineering leadership for cloud-native platforms. Drive end-to-end system design, modernization, and delivery with a strong emphasis on scalable data modeling, event-driven architecture, and modern .NET runtimes — balancing strategic direction with direct implementation, code ownership, and technical governance.

- **Cloud-Native Platform Architecture (.NET 9 / .NET 10):** Led the design and build of modern service architectures on the latest .NET runtimes, guiding the platform's evolution toward .NET 10 with an eye on performance, maintainability, and smooth upgrade paths.
- **Azure Data & Event-Driven Backend:** Shaped Cosmos DB container strategies—partition keys, indexing, and schemas—for high-throughput, multi-tenant scale, and built an Azure Functions compute layer for async processing, projections, and messaging, tightly integrated with Azure Service Bus and Cosmos DB change feeds.
- **Full-Stack App Modernization (.NET Core + Angular):** Decomposed legacy ASP.NET Core APIs into domain-aligned microservices with resilient messaging and independent deployments, and delivered the secure Angular 16+ portals and admin apps on top—supporting operational workflows, content moderation, and dashboards with modular, reactive, role-based design.
- **Hands-On Leadership & Developer Enablement:** Stayed close to the code through implementation, performance tuning, and reviews while setting architectural standards, and championed GitHub Copilot, AI governance, and .NET Aspire adoption to lift developer velocity, onboarding, and consistency.
- **AI-Assisted Multi-Brand Content Platform:** Architected a full-stack .NET 10 / Angular 19 platform on .NET Aspire, OpenAI, and Venice.ai—featuring a layered prompt-memory system across six brands, automated image and social-copy workflows, and a complete developer handoff.

Environment: *.NET 9/10, ASP.NET Core, Azure Functions, Cosmos DB, Azure SQL, Service Bus, AKS, Angular, TypeScript, microservices & event-driven architecture, Azure DevOps, GitHub, Copilot*

Solutions Architect — FrankCrum

Feb 2024 – Jul 2026

Designed and delivered scalable enterprise platforms supporting payroll and employee systems, combining hands-on engineering with architectural leadership across APIs, front-end applications, and cloud-based messaging while establishing architectural standards and governance.

- **API & Microservices Architecture:** Evolved monolithic services into domain-aligned microservices, designing resilient, event-driven APIs for scalable workflows and independent deployment on AKS.
- **Event-Driven Messaging & Azure Functions:** Built a distributed notification and integration framework on Azure Service Bus and Azure Functions, enabling reliable async communication and automated enterprise workflows.
- **Cloud Platform Enablement:** Modernized containerized workloads on AKS and service-hosting with .NET Aspire, improving observability, local development, and operational consistency.
- **Developer Productivity & AI Adoption:** Drove org-wide adoption of GitHub Copilot and .NET Aspire through workshops and Lunch & Learn sessions, accelerating delivery and engineering quality.

Environment: *C#, .NET 6–10, ASP.NET Core, AKS, Azure Functions, Service Bus, SQL Server, TOGAF, Copilot, .NET Aspire*

.NET Team Lead — Wilco Source

Oct 2023 – Feb 2024

Designed and oversaw development of a suite of microservices used to transform and map insurance and medical data across input payloads. Contributed to the .NET development community of excellence, focusing on microservice architecture and development practices.

Environment: *C#, .NET Core 6, SQL Server, Kafka, Azure (AKS)*

Azure/.NET Solutions Architect — Onlife Health

Mar 2023 – Jun 2023

Designed and oversaw an Azure Functions proof of concept as part of a cloud migration project, leading a team of three senior developers. Contributed to the cloud-readiness program, focusing on Azure architecture and development practices.

Environment: *Azure, Azure Advisor, App Services, Azure Functions, Application Insights, Azure DevOps*

Cloud Solutions Architect — CAI

Jun 2022 – Mar 2023

Owned the design and infrastructure architecture, including design artifacts, of a range of Azure-based solutions. Led optimization of the Azure landscape with a focus on cost, security, and reliability, consolidating over 25 discrete Azure subscriptions into a central enterprise-owned subscription.

Environment: *Azure, Azure Advisor, App Services, AKS, Azure SQL, Application Insights, Azure DevOps*

Solutions Architect — Medline, LP

Apr 2019 – Jun 2022

Designed and delivered solutions across master-data and data-quality domains, creating high-level system designs, integration requirements, and architecture artifacts. Led the Enterprise Product Recall project, transforming a manual recall process into a fully digital workflow while mentoring a team of three junior developers in .NET Core microservices and modern web practices. Architected a proof-of-concept regulatory content-monitoring system using ASP.NET Core 3.1 microservices and Angular-based customer-facing applications.

Environment: *Angular, TypeScript, ASP.NET Core, SOA, event-driven architecture, Azure DevOps, AKS, cloud services*

Architect — MVCWizards, Inc.

Jan 2016 – Apr 2020

Founder and principal architect leading end-to-end technology solutions, managing architecture, documentation, and teams of up to six developers. Modernized the Confident Kitchen platform onto .NET Core and Azure Kubernetes using Redis, Cosmos DB, and Service Bus. Led modernization at Fidelity Life Association, delivering architecture artifacts and managing development, with key achievements including an enterprise single sign-on system, automated policy processing, and best practices for transitioning from WebForms to .NET Core.

Environment: *Angular, TypeScript, ASP.NET Core, SOA, RabbitMQ, Azure, Cosmos DB, KnockoutJS, AKS, GitHub*

Team Lead / Architect — CDW

Nov 2014 – Dec 2015

Designed, developed, and maintained the key internal and external interfaces powering CDW.com and partner integrations. Led a team of three developers to architect and implement Partner Services, enabling seamless B2B integration with major

partners including Xerox and Spiceworks. Contributed to the MVC modernization effort, helping establish a shared framework, best practices, and architecture to unify two legacy ASP.NET WebForms applications into a single modern line-of-business platform.

Environment: *ASP.NET MVC 5, Web API 2, Autofac, SOA, modular/DDD design, jQuery, Bootstrap 3, TFS 2012*