

Kevin Voell

Principal Software Engineer | Azure & Microsoft Ecosystem Specialist

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PROFESSIONAL SUMMARY

Seasoned Principal Software Engineer with 20+ years of experience building scalable, high-performance systems on the Microsoft technology stack. Deep expertise in Azure, Dynamics 365 F&SC, GitHub Copilot, and the Power Platform ecosystem. Proven track record of architecting AI-powered automation solutions that deliver measurable business impact — including an 80% reduction in development time and 10x improvement in workflow performance. Passionate about leveraging Microsoft's AI and cloud tooling to solve complex enterprise challenges.

TECHNICAL SKILLS

Microsoft & Azure: Azure (Functions, DevOps, Pipelines), Dynamics 365 F&SC, Power Platform, Copilot Studio, PowerAutomate, GitHub Copilot, MCP Servers

Languages: C#, TypeScript, JavaScript, Python, Rust, X++, C++

AI & ML: Generative AI, AI Agents, Copilot Extensibility, LLM Integration

Web & APIs: ASP.NET Core, REST APIs, WebSockets, HTML/CSS

Infrastructure: Docker, Azure DevOps, Microservices, Distributed Systems

Enterprise: ERP Integration, Real-time Systems, CI/CD Pipelines, Agentic AI

PROFESSIONAL EXPERIENCE

Senior Staff Software Engineer | *RSM US*

December 2020 – Present

- **AI Developer Tooling:** Built a Visual Studio extension integrating GitHub Copilot with Dynamics 365 F&SC, enabling end-to-end development automation (object creation, builds, label/model management) and reducing development time by up to 80%, significantly accelerating the consulting delivery pipeline.
- **Copilot Agents:** Developed Copilot Agents using Azure OpenAI to auto-generate Business Requirements Documents (BRDs) and Technical Design Documents (TDDs) from client conversations, freeing consulting resources for higher-value delivery work.
- **MCP Servers:** Architected and deployed MCP (Model Context Protocol) servers to accelerate AI model integration with internal data and tooling, boosting developer velocity across the engineering org.
- **AI Automation:** Delivered AI agents to auto-generate solution verification documentation, improving consistency and saving project managers hundreds of hours per year.
- **Power Platform:** Built conversational AI agents with Copilot Studio and Power Platform to automate internal access management workflows, reducing manual effort and support overhead.
- **DevOps Integration:** Automated Azure DevOps-to-SmartSheets synchronization via PowerAutomate, eliminating manual updates and recovering hours of project manager time weekly.
- **Flow Optimization:** Optimized multiple PowerAutomate flows, achieving a 10x improvement in execution times and reducing Azure compute costs while dramatically improving end-user experience.

Senior Solution Architect | *RSM US*

December 2015 – December 2020

- **API Development:** Designed and developed RESTful API endpoints using C# and ASP.NET Core to power a mobile inventory application, enabling real-time data synchronization and streamlined warehouse operations.
- **Platform Architecture:** Led architecture for CLEARthru, a distributed traceability platform with direct ERP system integrations, delivering end-to-end data integrity and auditability at scale.
- **D365 Customization:** Developed Dynamics 365 POS enhancements using C#, X++, and TypeScript, streamlining transaction flows and improving end-user satisfaction scores.

Senior Software Architect | *Junction Solutions Inc.*

July 2009 – December 2015

- **Real-Time Integration:** Built a real-time integration framework for Dynamics 365 F&O using C#, X++, and WebSockets, enabling seamless hardware peripheral integration and significantly reducing client upgrade costs.
- **PCI Compliance:** Architected PCI-certified credit card processing integration for Dynamics AX, supporting 10+ payment processors at enterprise transaction scale.
- **Inventory Systems:** Developed a real-time inventory system integrating AX 2009/2012 with a C#/ASP.NET interface, streamlining mobile inventory control and boosting warehouse efficiency.

Senior Software Engineer | *Junction Solutions Inc.*

July 2006 – July 2009

- **D365 Engineering:** Delivered custom Dynamics AX solutions for enterprise retail clients, including transaction processing enhancements and scalable e-commerce integrations that drove measurable improvements in performance and user experience.

SOFTWARE PROJECTS

Rusty Network Manager (crates.io) — A published Rust crate (16 stars) for interacting with the NetworkManager daemon via D-Bus/zbus, demonstrating production-quality systems programming and open source library design.

CLRHost ([GitHub](https://github.com)) — An x86_64 assembly application that bootstraps the .NET CLR and executes a C# program from native code — demonstrating deep knowledge of the .NET runtime internals that underpin the entire Microsoft ecosystem.