

Joon Miller

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SUMMARY

Lead .NET Developer and **Azure PaaS Architect** with **13+ years** delivering secure, highly available cloud applications through C#, **.NET Core**, **ASP.NET MVC**, REST APIs, SQL, and Azure services. Builds practical platforms across Azure App Service, Azure Functions, Blob Storage, Azure SQL, Azure Service Bus, Key Vault, Azure AD, Data Factory, Application Insights, and SendGrid. Guides large engineering teams through architecture, delivery, testing, release planning, and production support. Clear communication keeps technical and nontechnical partners aligned when priorities shift. Brings steady ownership, thoughtful decisions, and hands-on skill with Azure DevOps CI/CD, Entity Framework, Angular, JavaScript, jQuery, CSS, Git, performance tuning, security controls, and compliance-focused delivery. Ready to help Northstar CloudWorks deliver dependable Azure solutions with care for customers and colleagues.

EXPERIENCE

Lead Azure PaaS Architect

June 2021 - Present

BlueCedar Solutions

Columbus, OH

Owns architecture and delivery for C# and .NET Core services supporting enrollment and account workflows across Azure App Service and Azure Functions. Leads senior engineers, shapes capacity decisions, and connects platform choices with customer, compliance, and operational needs.

- Directed C# and .NET Core service delivery across **Azure App Service** and **Azure Functions**, giving enrollment workflows reliable capacity and clearer ownership.
- Built **Azure DevOps CI/CD pipelines** with Azure Repos, Git branching, **gated pull requests**, and automated unit, integration, and functional tests, creating repeatable releases.
- Reworked asynchronous document and transaction flows with **Azure Service Bus**, Blob Storage, and Azure SQL, improving resilience without changing customer-facing REST APIs.
- Applied Key Vault, Azure AD role assignments, managed identities, and environment-specific access controls, supporting secure delivery and compliance reviews.
- Created **Application Insights dashboards**, alerts, distributed tracing, and runbooks, helping support teams isolate API, Function Apps, messaging, and performance issues faster.
- Guided senior engineers, analysts, product leaders, operations, and executives through architecture reviews, release plans, tradeoffs, and ownership decisions.

Senior .NET Engineer

July 2018 - May 2021

Redwood Digital Group

Indianapolis, IN

Delivered modernization for a multi-tenant service platform spanning ASP.NET MVC, **REST APIs**, Azure App Service, Azure SQL, and customer operations consoles. Connected application design, data quality, testing, and stakeholder feedback so incremental releases remained useful and supportable.

- Modernized MVC and REST API workloads by moving selected services from on-premises hosting into **Azure App Service** and Azure SQL, improving deployment consistency for a **multi-tenant platform**.
- Established **Entity Framework** patterns, stored procedure integrations, and SQL tuning practices, stabilizing reporting and transaction paths for operations teams.
- Built Angular, JavaScript, jQuery, and CSS components that matched Web API contracts, giving service staff clearer validation and smoother workflow handling.
- Automated unit, integration, and **functional tests** through repeatable pipeline runs, producing release evidence used by quality and compliance reviewers.
- Integrated Azure Service Bus, SendGrid, and **Blob Storage** for notifications, document exchange, and background processing, keeping customer and operations workflows connected.
- Partnered with business analysts, security specialists, and support teams to reproduce defects, assess scaling choices, and release focused improvements during shifting priorities.

.NET Engineer

August 2015 - June 2018

LatticePoint Technologies

Louisville, KY

Implemented C# and .NET Core services for scheduling and claims workflows, supporting Azure development and test environments under senior architectural guidance. Balanced API behavior, data access, browser needs, and operational recovery while building confidence through clear documentation.

- Implemented **C# .NET Core services** and REST endpoints with MVC patterns and documented contracts, helping scheduling and claims teams exchange dependable workflow data.
- Configured Azure App Service, **Function Apps**, storage services, and **Application Insights** for development and test environments, giving engineers useful deployment and diagnostic signals.

- Refactored SQL queries and **Entity Framework mappings** after log review and controlled performance testing, resolving timeout patterns on high-use screens.
- Added **Azure Service Bus queues** and retry handling, separating long-running work from interactive requests and giving support staff clearer recovery paths.
- Built JavaScript, jQuery, and CSS changes for an Angular portal, aligning browser behavior with API validation and data rules.
- Maintained Azure DevOps work items, **Azure Repos**, Git branches, and deployment notes, then presented progress to technical and nontechnical reviewers.

Software Developer

July 2013 - July 2015

Harborline Software

Dayton, OH

Developed C# .NET MVC modules, SQL-backed Web APIs, and Entity Framework data models for inventory and **order-management applications**. Supported early Azure adoption, testing, production diagnosis, and customer releases with a calm focus on practical fixes.

- Developed C# .NET MVC modules and **SQL-backed Web APIs** for regional distribution teams, supporting dependable inventory and order-management workflows.
- Created Entity Framework models, validation routines, and database migration scripts, helping customer environments receive consistent application releases.
- Added **REST integrations** and background jobs for document storage and email notifications, documenting failure handling and operational dependencies for support teams.
- Wrote unit and **integration tests** for controllers, services, and data access components, using defect findings to improve regression coverage.
- Supported initial Azure deployment by configuring App Service resources, **storage containers**, **application settings**, and basic monitoring with senior team members.
- Investigated production issues through logs, SQL traces, and reproduction steps, turning quiet clues into focused fixes and useful knowledge-base documentation.

Junior .NET Developer

September 2012 - June 2013

Riverbend Applications

Fort Wayne, IN

Produced small C# .NET MVC features, REST endpoints, SQL queries, and Entity Framework repositories for internal workflow tools. Worked under established review standards and learned to turn analyst feedback, test evidence, and reproducible defects into dependable releases.

- Produced C# .NET MVC features and SQL queries for internal **workflow tools**, following established coding and review standards for operations users.
- Implemented REST API endpoints and Entity Framework repositories for **account lookup** and **status reporting**, giving analysts consistent access to workflow data.
- Created jQuery, **JavaScript**, and CSS updates for **form validation**, reducing recurring questions from operations users and clarifying expected input.
- Added **unit tests** and test data for service-layer changes, documenting behavior for peer review and release verification.
- Used Git source control, issue tracking, and structured pull-request feedback to maintain traceable changes across two active applications.
- Joined troubleshooting sessions with analysts and support personnel, converting reproducible defects into scoped fixes and deployment notes.

PROJECTS

Azure Claims Workflow Modernization 📅 2021

Modernized claims processing with .NET Core, Azure App Service, Azure Functions, Azure Service Bus, Azure SQL, and Application Insights. Focus stayed on reliable handoffs, secure access, useful diagnostics, and manageable support after release.

Multi-Tenant Service Platform Migration 📅 2020

Moved selected MVC and REST API workloads into Azure App Service and Azure SQL. Entity Framework, Azure DevOps pipelines, automated tests, and performance review supported consistent releases across tenant environments.

LEADERSHIP & AWARDS

- Microsoft Azure Architecture Leadership Recognition, 2024
- Delivery Excellence Award for Cloud Modernization, 2021
- Technical Mentorship Recognition from Engineering Leadership, 2019

EDUCATION

Bachelor's Degree in Computer Information Systems

2012

Ball State University GPA: 3.5

Muncie, IN

Coursework: Database Systems, Software Engineering, Web Application Development, Systems Analysis

CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect Expert 📅 2024
- Microsoft Certified: Azure Developer Associate 📅 2020

TECHNICAL SKILLS

- **Programming Languages:** C#, .NET, .NET Core
- **Web Frameworks:** ASP.NET MVC, Web API, Angular
- **API Development:** REST APIs, REST integrations, Interface contracts
- **Azure Compute:** Azure App Service, Azure Functions, Function Apps
- **Azure Storage:** Blob Storage, Storage services, Azure SQL
- **Azure Messaging:** Azure Service Bus, Messaging services, Queues
- **Azure Security:** Key Vault, Azure AD, Managed identities
- **Azure Data Services:** Data Factory, Azure SQL, Entity Framework
- **Observability:** Application Insights, Distributed tracing, Alerting
- **DevOps Tools:** Azure DevOps, Azure Repos, Git
- **Testing Practices:** Unit testing, Integration testing, Functional testing
- **Frontend Technologies:** JavaScript, jQuery, CSS
- **Email and Notifications:** SendGrid, Email notifications, Notification workflows
- **Database Engineering:** SQL tuning, Stored procedures, Database migrations
- **Cloud Architecture:** PaaS architecture, High availability, Performance optimization

SKILLS

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|---------------|---------------------|--------------------|------------------------|
| • C# | • Web API | • Azure SQL | • Azure Service Bus |
| • .NET Core | • SQL | • Entity Framework | • Application Insights |
| • ASP.NET MVC | • Azure App Service | • Azure DevOps | • Automated Testing |
| • REST APIs | • Azure Functions | • CI/CD Pipelines | |

PROFESSIONAL AFFILIATIONS

- Member, Association for Computing Machinery
- Member, Microsoft Certified Professionals Community

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST