

Josh Quiachon

Senior .NET Full-Stack Engineer | Azure Cloud Developer | Solutions Architect

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Summary

A senior software engineer specializing in .NET development with hands on experience building enterprise-scale applications across the web, cloud native, and desktop platforms. Skilled in C#, ASP.NET Core, Blazor, Entity Framework Core, SQL Server, and Azure services. Proven track record in modernizing legacy platforms and delivering cloud-native solutions with measurable business outcomes. Skilled at navigating complex project requirements, legacy systems, evolving architectural patterns, and collaborating with stakeholders to align project releases with business goals.

Professional Experience

Independent Azure Consultant (Amberlogica - Remote, US)

Oct 2024 – Present

- Developed core billing feature on Azure App Services + ASP.NET Core + EF Core and secure REST APIs.
- Built initial workflows with Azure SQL, Cosmos DB, Blob Storage, Service Bus, Queue Storage, Functions, and Redis to support scalable, message-driven billing and document automation operations.
- Automated deployments and managed CI/CD pipelines with Azure DevOps.
- Developed Power BI dashboards for meaningful reporting.
- Partnered with stakeholders and product owners to streamline workflows and accelerate delivery cycles.

Full Stack Senior Software Engineer (United Welfare Fund - New Rochelle, NY)

Feb 2009 – Dec 2023

Enterprise Solution Development

- Modernized mission-critical operations by migrating legacy WPF systems to ASP.NET Core + Blazor WebAssembly on Azure, improving UX and maintainability.
- Led the design and development of five core product features of the enterprise application.
- Built modular UI components and APIs to accelerate feature delivery while ensuring design consistency.
- Designed and developed Azure Functions for serverless automation (document processing, annual dividend calculations).
- Leveraged CDC, Azure Service Bus and Cosmos DB for scalable, fault-tolerant workflows and delivered near real-time analytics with Power BI, SSRS, Redis, CDC and Data Factory ETL pipelines.
- Deployed cloud-native services via Azure App Services and Containers, ensuring elastic scalability.

Legacy Modernization

- Migrated AS400 RPG code to C#. Implemented WPF + EF apps and migrated DB2 database into SQL Server.
- Designed WPF MVVM-based desktop framework with lifecycle management, PDF automation, and multi-department workflow optimizations.
- Developed custom applications to help with migration pipelines. Reduced technical debt and cut feature delivery cycles by 70% through componentized frameworks and standardized workflows.

Software Development Engineer in Test (Microsoft - Redmond, WA)

Jan 2008 – Feb 2009

- Developed a UI test automation framework in C# and WPF with Microsoft UI Automation, increasing coverage and reducing regression testing cycles. Authored and maintained automated test scripts with the Perseus harness to ensure compatibility across builds.
- Implemented language-neutral test processes for both globalized and localized product versions.

Certification

Microsoft Certified: Azure Fundamentals (AZ-900)

Credential ID: 489B5DB681919C30

Education

Master of Science in Computer Science, MIU

Fairfield, IA

Technical Stack

Languages & Scripting: C#, Python, TypeScript, JavaScript, SQL/T-SQL, Java

Frontend: React, Blazor (Server/WebAssembly + SignalR), Telerik UI, HTML5, CSS3

Backend, ORM and Web APIs: ASP.NET Core Web API, ASP.NET Core MVC, Entity Framework Core, Dapper

Architectural Styles: RESTful APIs, Client-Server

Architectural Patterns: Monolithic, N-tiered, Event-driven, Data-driven, Serverless, Microservices, MVC, Domain-Driven Design (DDD), Message-driven

Databases & Data: SQL Server, PostgreSQL, Cosmos DB, Redis, Azure SQL Database

Reporting: SSRS, SSIS, Power BI, Report Builder

Cloud, DevOps & Infrastructure: Azure App Services, Functions, Blob Storage, Queue Storage, Cache for Redis, Azure DevOps, GitHub, Pipelines, Git, Docker, Kubernetes

Testing & Quality: xUnit, NUnit, StyleCop, CodeMaid, ReSharper, Sonar, .NET Reflector

Desktop: WinUI 3, WPF, Win32 API

Tools & Collaboration: Visual Studio, GitHub Copilot, Postman, Fiddler, Redgate, Visio, Jira, ClickUp, Zendesk, Whiteboard, Excalidraw

Methodologies: Agile, Scrum, Kanban

Selected Project Highlights

- **Legacy System Modernization:** Led the multi-phase migration of mission-critical systems from AS400 and WPF platforms to modern ASP.NET Core, Blazor WebAssembly, and Azure cloud infrastructure, enhancing performance, usability, and long-term maintainability.
- **Enterprise Application Development:** Designed and developed scalable, modular enterprise web applications using Blazor, .NET Core, Telerik UI, and RESTful Web APIs, delivering a modernized and responsive user experience.
- **Desktop & MVVM Framework Design:** Built a custom MVVM framework for WPF applications, handling state management, PDF generation, document scanning, and complex user workflows across multi-department use cases.
- **Cloud-Native Architecture & Deployment:** Implemented Azure-based solutions with App Services, Azure Functions, Containers, Blob Storage, Queue Storage, Azure Service Bus, Azure SQL, and CosmosDB to support scaling and reliable workflow.
- **ETL:** Designed CDC-enabled ETL pipelines with Azure Data Factory, Azure SQL source to CosmosDB sink with Redis Caching for denormalized data used on high-load financial reporting requests.
- **Reporting & BI Automation:** Delivered business insights by integrating SSRS and Power BI with operational data, enabling secure, role-based reporting for audit visibility.
- **DevOps & Codebase Maintenance:** Maintained a clean and scalable codebase through CI/CD pipelines (Azure DevOps), issue tracking via Jira/Zendesk, and continuous refactoring aligned with evolving standards.

Keywords For ATS

.NET Framework, .Net, .NET Core, ASP.NET MVC, C#, Java, JavaScript, TypeScript, Python, SQL, T-SQL, HTML5, CSS3, ASP.NET MVC, Wasm, Blazor WebAssembly, Blazor Server, SignalR, Angular, React, Jekyll, Astro, Telerik, Visio, Excalidraw, WebAPI, App Services, Azure Functions, CosmosDB, Blob Storage, Queue Storage, Redis, WPF, WinForms, MFC, Win32 API, Entity Framework, Entity Framework Core, Dapper, Visual Studio, VSCode, JetBrains, Redgate, Sonar, Postman, Fiddler, Reflector, GitHub Copilot, StyleCop, CodeMaid, XUnit, NUnit, JetBrains CodeStyle, SSRS, SSIS, MS Report Builder, Power BI, Azure DevOps, GitHub, Jira, ClickUp, Azure Pipelines, Jira Service Management, Zendesk