Michael D. Green

sr. software engineering leader | sOLUTION ARCHITECT | PRODUCT LEADERSHIP

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# Summary

Experienced engineering leader with over 20 years of experience in software development, technical strategy & consulting. As a hands-on technical strategist, software architect, engineer, blogger, consultant & OSS contributor, I have used my extensive leadership & technical experience to implement innovative solutions across several industries.

# Skills

**Cloud Platforms:** Azure

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

**Data & AI**: Azure OpenAI, Azure AI Search, Microsoft Fabric, AI Studio, Copilot Studio, Azure Databricks

**Databases:** Azure SQL, Azure CosmosDB

**IaaC:** ARM, Terraform, Bicep

**DevOps:** Azure DevOps, GitHub Actions, Jenkins

**Technologies:** Various Microsoft Cloud services, Angular, ASP.Net Core, NServiceBus

**Methodologies/Principles:** Agile SCRUM/XP, Kanban, Well-Architected, SOLID

# Experience

## Microsoft (Remote)

## Global Partner Solutions | Principal Partner Solution Architect July 2024 - Present

* I work with Partners to provide expertise in App Innovation, Data & AI Foundation, patterns, architecture design/reviews & proof of concepts.
* Created a re-usable Azure Databricks solution accelerator for quick deployment of various industry scenarios such as anti-fraud and anti-money laundering.
* Worked with Microsoft Fabric engineering to create a POC to demonstrate best practices when ISVs deploy in a multi-tenant environment.
* Worked with Partners to provide guidance on how to deploy their Microsoft Fabric Workloads.
* Part of a Solution Architecture that worked with a Partner to provide guidance on building out their SQL-to-NL GenAI solution.

**Technologies:** C#, Bash, Terraform, GitHub Actions, Bicep, Azure SQL, Azure OpenAI, Microsoft Fabric, Azure Databricks.

## Global Partner Solutions | Senior Partner Technology Strategist Sept. 2021 – July 2024

* Served as a Virtual CTO to some of the biggest Global ISVs in Microsoft’s portfolio.
* Provided hands-on training for Partners in areas such as Azure Services, AI, Well-Architected & the Commercial Marketplace.
* Provided technical strategy around product roadmaps, cloud capacity, the commercial marketplace & engineering feedback.
* Served as the technical conduit between several Microsoft engineering teams & a major Partner to help bring Cross-Tenant BYOK to the market, which unblocked millions of dollars in Azure Consumption.
* Worked with several strategic Global ISVs to platform their industry leading solutions onto Azure.
* Pioneered the use of Azure DevOps (ADO) to manage/track Global ISV activities. Due to my efforts, ADO has seen wide adoption within my organization & across Microsoft Partner/Customer facing teams.

**Technologies**: Azure, C#, Terraform, Bicep, Az DevOps, GitHub, Teams, Copilot, Elastic Cloud, Confluent Cloud, various Microsoft Cloud Services.

## Commercial Software Engineering | Senior Software Engineer Nov. 2018 – Sept.2021

* Tech Led an engagement with a major sports provider to design & implement cloud-native back-end services for their new fan experience mobile application.
* Worked with a major broadcasting company to bring their petabytes of cold-storage media to the Azure Cloud.
* Worked with a major media & communications company to operationalize the deployment of their customer’s cloud services to stream live content anywhere on the globe using Haivision SRT.
* Worked with a major car manufacturer to allow Microsoft Teams meetings to be streamed from the car headset unit using the RTC protocol.
* Part of a team of engineers that created the Production Fundamentals OpenHack (OH). The OH provided hands-on experience on how to take an application from development to production & best practices for security, logging, monitoring & observability.
* Worked with a startup to create the “Netflix” of film festivals that allowed content creators to upload content to be reviewed by film festival judges.
* Part of an emergency COVID SWAT team that created a real-time chat application for a leading supply chain company to quickly collaborate on distribution bottlenecks.

**Technologies:** C#, Az Functions, Az DevOps, Az Service Bus, Az EventGrid, Blazor, CosmosDB, Az App Services, Az Blob Storage, Electron, Az Container Instances, RTC, TypeScript, Docker, ASP.Net Core, GraphQL, Az Media Services, NodeJS, Angular, GitHub Actions, Terraform, ARM.

## Grenitaus Consulting LLC (Remote)

## Finance Company | Senior Software Architect Consultant Sept. 2017 – Oct. 2018

* Helped maintain client’s lending product, Lending 360.
* Advised client on Azure concepts & modern software development practices such as Unit Testing, Git Standards, Continuous Integration & SOLID Concepts.

**Technologies**: Azure, C#, SQL Server, Team City, Octopus Deploy, WPF, Windows Services, ASP.Net Web API, Az Blob Storage.

## Healthcare Company | Principal Architect Consultant Feb. 2017 – Sept. 2017

* Responsible for development, architecture, release management & the overall technical roadmap for the Azure Cloud-based Purchased Services Application.
* I designed & implemented the client’s greenfield Azure Cloud-based Contract Management System.

**Technologies**: Azure, C#, Az SQL, ASP.Net MVC 5, jQuery, Bootstrap, Highcharts, Knockout.js, ASP.Net Web API, PowerShell, Azure WebJobs, Az Queues, Fluent NHibernate, KnockoutJS.

## Architecting Innovation (Remote)

## Finance Company | Principal Architect Consultant Aug. 2014 – Nov. 2016

* Responsible for development, architecture, release management & the overall technical roadmap for the Executive Dashboard Application.
* Helped client move into the healthcare industry by performing work on their medical claims platform.
* I worked on the customer’s medical claims file parsing & data translation enterprise application. Also helped design medical claims database used for the medical claims audit portion of the software.
* Helped lead a multi-million-dollar mission critical project over the finish line. Worked on a public-facing website that allowed a state government to collect outstanding tax fees. Responsibilities included hands-on development & mentoring Sr./Jr. Developers.

**Technologies:** C#, ASP.Net MVC 5, jQuery, Bootstrap, Highcharts, Knockout.js, TeamCity, Octopus Deploy, AngularJS, NServiceBus, EF, MSMQ, HTML5, SQL Server, Moq, NUnit, signalR, Fluent NHibernate, WCF, Windows Services.

## Slalom Consulting, Dallas/Ft. Worth

## Finance Company | Principal Architect Consultant Sep. 2013 – April. 2014

* Designed & implemented client’s federated security REST API for all internal application authentication.
* Worked on client’s Web-based scheduling software to manage doctor in-home patient visits.
* Part of a pursuit team that was brought in to stabilize & enhance client’s Web-based marketing software.

**Technologies:** ASP.Net MVC, KnockoutJS, jQuery, C#, JavaScript, SQL Server, Angular

## SOGETI USA LLC, Irving, TX

## Senior Consultant 2010 – 2013

* Senior Consultant that worked with various clients across the D/FW metroplex to provide hand’s on expertise in application development.

**Technologies:** Silverlight, C#, SQL Server, Winforms, ASP.Net Web API

# Other Experience/OSS

* [EventGrid Viewer Blazor](https://learn.microsoft.com/en-us/samples/azure-samples/eventgrid-viewer-blazor/eventgrid-viewer-blazor/) – View Azure EventGrid messages in real-time.
* [BatchGuy](https://github.com/yaboy58/BatchGuy) – Batch Blu-ray processing & encoding using AviSynth, x64, eac3To, mkvmerge & ffmsindex.
* [Ng-amp-diagnostics-logger](https://www.npmjs.com/package/ng-amp-diagnostics-logger) – Node package that sends azure media player telemetry to azure application insights in an Angular application.
* [Azure KeyVault, Jenkins & Terraform](https://github.com/Azure-Samples/jenkins-terraform-azure-example) – Azure sample on how to use Jenkins, Terraform & Azure KeyVault.

# Education

## University of Texas at Arlington May 2001

Major: B.S., Management Information Systems

# Certifications

## Project Management Professional | Project Management Institute Sept. 2015 - Pressent

## Certified Scrum Master | Scrum Alliance Feb. 2014 - Present