

MARIO MAMALIS

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PROFESSIONAL OVERVIEW

With over 25 years of experience in software development and architecture, I am a seasoned Director and Architect specializing in leveraging artificial intelligence and cloud technologies to drive business transformation. I am adept at leading technical teams and strategic projects that align with cutting-edge technological advancements.

SKILLS

- AI Strategy Development
- Generative AI
- Machine Learning
- Data Science
- RESTful APIs
- Microservices
- Clean Architecture
- Design Patterns
- Software Architecture
- Domain Driven Design
- Software Development
- Communication Skills
- Leadership Skills
- Azure Cognitive Services
- Azure Computer Vision
- Natural Language Processing
- Azure App Services
- Azure Functions
- Azure Logic Apps
- Azure Container Apps
- AKS
- Azure SQL
- Azure CosmosDB
- Azure Data Factory
- Azure Monitor
- API Management
- Azure Storage
- Redis Cache
- Azure IoT
- Stream Analytics
- Azure Service Bus
- Azure Service Fabric
- Microsoft Power Platform
- Azure DevOps
- GitHub
- .NET
- C#
- Blazor
- SQL
- JavaScript

WORK EXPERIENCE

Senior Director of Application Development

Uturn Data Solutions, Hybrid | February 2026 – Present

As Senior Director of Application Development, I lead UTurn's software development practice, defining the vision, delivery model, and technical strategy for application modernization, custom software delivery, AI-enabled solutions, and cloud-based architectures. I partner with executives, clients, sales, cloud engineering, QA, and delivery teams to align technology strategy with business goals and modernization priorities. I focus on these key areas:

Engineering Leadership

- Lead software engineering best practices, from clean architecture and technical standards to delivery execution
- Build and mentor lean, high-performing teams focused on quality, ownership, and accountability
- Establish a culture of pragmatic engineering, collaboration, and continuous improvement

Application Modernization

- Architect modern software solutions that help clients move from legacy systems to scalable cloud-based architectures
- Guide modernization strategy across APIs, integrations, DevOps alignment, security, observability, and operational readiness
- Balance delivery speed, technical quality, business value, and long-term maintainability

AI and Cloud Innovation

- Leverage AI and cloud technologies to improve efficiency, accelerate delivery, and create measurable business value
- Identify practical opportunities to integrate GenAI, automation, and intelligent workflows into client solutions
- Translate emerging technologies into clear, business-aligned technical strategies

Head of Engineering

Intrepid Solutions, Remote | September 2023 – February 2026

Subcontracting at Uturn Data Solutions as Principal Architect and Engagement Lead

As Director of Software Engineering, I lead cross-functional teams that design and deliver cutting-edge solutions across AI, cloud-native platforms, and modern web/mobile architectures.

- Drove software engineering best practices, from clean architecture to DevOps maturity
- Mentored and empower high-performing engineering teams to take ownership and deliver at scale
- Partnered with product and design to deliver full-stack solutions that are scalable, testable, and user-centric
- Ensured velocity without sacrificing quality — shipping MVPs fast, and scaling them right
- Explore and integrate GenAI, LLMs, and ML ops into client products and internal platforms
- Guided technical strategy in a way that aligns with client vision and future tech trends

App Modernization Consultant – Software Architect

Xebia/Xpirit, Remote | October 2022 – September 2023

- Analyzed customer needs and suggested app modernization solutions on Azure.
- Mentored customer teams on Software Architecture Best Practices.
- Architected and developed Web Applications utilizing Azure native services and Blazor.
- Properly designed and implemented Azure Landing Zones.
- Facilitated Event Storming sessions to understand client processes.

Senior Solutions Architect - Director

Stokastic.com, Remote | February 2021 – October 2022

- Restructured software development team.
- Converted a monolith application into a microservices solution using .NET 6 and Blazor Server for the front-end.
- Successfully architected and delivered a complex data collection and visualization solution using Blazor.
- Developed various data analytics tools, features, and products for the booming sports betting industry.

Lead Architect - Portfolio Manager

Capgemini, Remote | May 2020 – February 2021

- Designed and architected modern enterprise software solutions.
- Led a team of 5 architects and 30 developers for a large-scale financial services solution built on .NET.
- Facilitated multiple Event Storming sessions during the discovery phase of a two-year, multimillion dollar project.

Senior Solutions Architect - Director

NaviTread LLC, Remote | November 2018 – May 2020

- Defined the vision and technical strategy of this promising startup business.
- Architected and developed the MVP version of a scheduling optimization system for healthcare workers using Blazor.
- Mentored and led a team of 7 near-shore software engineers.

Practice Principal Architect

SPR Consulting, Chicago IL | January 2017 – November 2018

- Led technical implementations for multiple software projects utilizing Microsoft Azure technologies.
- Architected and developed the SPR showcase IoT solution.
- Supported sales representatives, in multiple pre-sales meetings with clients.

Senior Architect

Breakthrough Technologies, Evanston, IL | September 2011 – January 2017

- Architected multiple software applications utilizing the latest Microsoft technologies.
- Led and mentored several junior team members on numerous projects.

Senior Architect - Manager

Morgan Stanley, Riverwoods, IL | March 2006 – September 2011

- Managed and trained a team of 6 developers in modern application development using .NET.
- Architected and developed the Financial Advisor Calculator website; an app used by 9000 financial advisors.

Senior Programmer Analyst

AIM Specialty Health, Deerfield, IL | January 2004 – March 2006

- Built reusable components for multiple internal applications.
- Developed multiple features for the mission critical AIM Call Center application.
- Re-architected and modernized multiple legacy applications.

Systems Analyst - Developer

Houghton Mifflin Harcourt, Evanston, IL | January 1999 – January 2004

- Designed and developed numerous internal and external software systems.
- Architected and spearheaded the e-commerce module for Catglobal.com; a tool used for online exam registrations.

EDUCATION

University of Illinois at Chicago: Bachelor's degree in information and decision sciences. - GPA 4.6/5.

May 2000

PROFESSIONAL DEVELOPMENT

- Professional Certification in AI, Machine Learning, and Data Science, MIT - 2025
- Microsoft Certified: Azure AI Fundamentals - 2024
- Microsoft Certified: Azure Developer Associate - 2023
- Microsoft Certified: Azure Fundamentals - 2022
- Microsoft Certified Solutions Expert: Cloud Platform and Infrastructure - 2017
- Microsoft Certified Solutions Developer: Azure Solutions Architect - 2017
- Microsoft Certified Solutions Associate: Cloud Platform - 2017
- Microsoft Specialist: Architecting and Developing Microsoft Azure Solutions - 2017
- Developing IoT Solutions with Azure IoT Certification
- DevOps Practices and Principles Certification
- GitHub Actions and Developer Accreditations
- AWS Partner: Sales Accreditation – 2025
- AWS Partner: Technical Accreditation – 2025
- AWS Certified Cloud Practitioner - 2026
- AWS Certified AI Practitioner - 2026