

Numan Ud Din

Senior Solution Architect | Sr. Full Stack Developer | .NET C# Expert

SUMMARY

- 13+ years of expertise in full-stack development and solution architecture, specializing in .NET Core, C#, ASP.NET MVC, and cloud platforms including Azure and AWS.
- Proven track record in modernizing legacy systems to microservices and cloud-native architectures, ensuring HIPAA-compliant deployments and scalable multi-tenant solutions.
- Strong background in database design and optimization with SQL Server and Oracle, including performance tuning and complex data integration using HL7 and API gateways.
- Hands-on experience leading agile teams, implementing CI/CD pipelines with Azure DevOps and GitHub Actions, and enforcing security best practices across the SDLC.

TECHNICAL SKILLS

Main Technical Skills	.NET Core (10 yr.), C/C++/C# (13 yr.), ASP.NET MVC (10 yr.), React (10 yr.), Angular (10 yr.)
Programming Languages	JavaScript
.NET Platform	ADO.NET, ASP.NET MVC (10 yr.), .NET Core (10 yr.), WebForms (13 yr.)
JavaScript Frameworks	Angular (10 yr.), React (10 yr.)
C++ Libraries and Tools	C/C++/C# (13 yr.)
Java Libraries and Tools	JSON
Databases & Management Systems / ORM	Microsoft Azure SQL Server (4 yr.), MongoDB, relational databases (10 yr.), SQL (13 yr.), SQL Stored Procedures (13 yr.)
UI Frameworks, Libraries, and Browsers	Bootstrap 4, CSS3, HTML5, Socket.io
Azure Cloud Services	AAD (4 yr.), Azure App Service, Azure DevOps (10 yr.), Azure Service Bus (4 yr.), Microsoft Azure SQL Server (4 yr.)
Amazon Web Services	AWS SQS (4 yr.)
Industry Domain Experience	Caesar II (10 yr.)
Version Control	BitBucket (10 yr.), Git (10 yr.), Github Actions (1 yr.)
Deployment, CI/CD & Administration	Blazor, CI/CD (10 yr.), DevOps practices (10 yr.), Jenkins (10 yr.)

QA, Test Automation, Security	Code Review (10 yr.), Cypress (10 yr.), Jest (10 yr.), QA Automation (10 yr.), UAT (10 yr.), Unit Testing (10 yr.)
Mail / Network Protocols / Data transfer	JWT (4 yr.)
SDK / API and Integrations	JWT (4 yr.), RESTful API (10 yr.), Web API (10 yr.)
Soft Skills	Mentor Aptitude
Methodologies, Paradigms and Patterns	microservices architecture (10 yr.), Scrum (10 yr.)
Project Management & Administration	Project Management
Platforms	SharePoint (3 yr.)
File Systems, Storage	XML
Other Technical Skills	LINQ to SQL, Performance Tuning (13 yr.), Signal R

WORK EXPERIENCE

Solution Architect for Cloud & Automation - TrueMed LIS, USA (TrueMed LIS)

Duration: Sept 2024 - sept 2025

Summary:

- TrueMed LIS is a healthcare laboratory information system project focused on modernizing legacy ASP
- NET WebForms applications to cloud-native, multi-tenant architectures on AWS and Azure, ensuring HIPAA compliance and secure healthcare data integration

Responsibilities:

- Provided technical leadership and defined architectural standards for enterprise cloud solutions.
- Led modernization of legacy applications to .NET Core / .NET MVC with modular, service-oriented architecture.
- Designed multi-tenant cloud architecture on AWS and Azure with secure VNet integrations.
- Established centralized authentication and authorization using Azure AD and JWT-based identity with RBAC.
- Built CI/CD pipelines with Azure DevOps and GitHub Actions integrating automated testing and monitoring.
- Refactored monolithic architecture into layered clean architecture ensuring maintainability.
- Integrated third-party lab systems and HL7-based healthcare data pipelines using secure API gateways and message queues.

Technologies: .NET Core, .NET MVC, AWS, Azure App Services, Azure SQL, Azure Service Bus, AWS SQS, Azure AD, JWT, Azure DevOps, GitHub Actions, HL7, API Gateways

Senior Software Engineer - California Dental Association (CDA), California, USA (Enterprise Healthcare Applications)

Duration: Oct 2014 - August 2024

Summary: Development and delivery of scalable, maintainable full-stack healthcare applications for global clients, including cloud migration and microservices architecture to optimize performance and reduce costs.

Responsibilities:

- Led multiple agile development teams delivering enterprise-level healthcare applications.
- Architected and developed full-stack solutions using C#, .NET, React.js, Angular, Azure, and SQL Server.
- Designed and implemented microservices to optimize application architecture.
- Collaborated with cross-functional teams to translate business requirements into technical solutions.
- Managed cloud migration of legacy applications to Microsoft Azure.
- Designed CI/CD pipelines using Jenkins and Git, automated testing with Jest and Cypress.
- Managed APIs and cloud services including AWS Lambda, Azure Search, and IIS.
- Implemented security best practices reducing vulnerabilities.
- Performed code reviews, mentored junior developers, and promoted best practices and design patterns.

Technologies: C#, .NET, React.js, Angular, Microsoft Azure, SQL Server, Jenkins, Git, Jest, Cypress, AWS Lambda, Azure Search, IIS

Software Engineer - Ever Bank, Redmond, WA, USA (Enterprise Applications Development and Support)

Duration: May 2014 - Oct 2014

Summary:

- Development and support of front-end and back-end systems for financial applications using
- NET technologies, focusing on performance optimization and production stability

Responsibilities:

- Developed and supported front-end and back-end systems using .NET, ASP.NET MVC, C#, and SQL Server.
- Implemented UI components with AngularJS and jQuery.
- Optimized database performance using SQL queries, stored procedures, and LINQ.
- Troubleshoot and resolved production issues ensuring system stability.
- Collaborated with QA team to create test cases and support application testing and bug fixes.
- Utilized JSON, SSL, XML, and HTTP protocols for secure data exchange.

Technologies: .NET (3.0, 4.8, 6.0, 8.0), ASP.NET MVC, C#, SQL Server, AngularJS, jQuery, JSON, SSL, XML, HTTP



Software Engineer - Visionet, Cranbury, NJ, USA (Enterprise-grade Applications for Finance and Retail)

Duration: Mar 2011 - May 2014

Summary: Design, development, and maintenance of enterprise applications for finance and retail sectors, including migration of legacy systems and performance tuning.

Responsibilities:

- Designed, developed, and maintained enterprise-grade applications using .NET Framework, C#, SharePoint, and SQL Server.
- Developed dynamic web forms, server-side logic, and workflow-based solutions to improve business efficiency.
- Performed performance tuning and database optimization including indexing and query refactoring.
- Led migration of legacy .NET monoliths to modern stacks and secure SQL environments.

Technologies: .NET Framework, C#, SharePoint, SQL Server, PL/SQL

EDUCATION

- **University of Central Punjab, Lahore**
Bachelor of Science - Computer Engineering

CERTIFICATION

- **Project Management Professional (PMP) Certification**

