

# Numan Ud Din

## Expert Solution Architect | Sr. Full Stack Developer | Azure, Devops | Cloud Engineer

### 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 modular, microservices-based architectures with secure, HIPAA-compliant cloud deployments.
- Strong background in database design and optimization using SQL Server and Oracle, with hands-on experience in performance tuning and OLAP data warehousing.
- Skilled in CI/CD pipeline imp, DevOps practices, and Agile methodologies to enhance software quality.
- Led projects integrating IoT, healthcare data, and enterprise reporting, showcasing software design and team leadership.

### TECHNICAL SKILLS

|                                                 |                                                                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main Technical Skills</b>                    | .NET Core (10 yr.), C/C++/C# (13 yr.), ASP.NET MVC (10 yr.), Azure DevOps (10 yr.), Azure App Service (4 yr.)                                              |
| <b>Programming Languages</b>                    | JavaScript (13 yr.)                                                                                                                                        |
| <b>JavaScript Frameworks</b>                    | Angular (10 yr.), AngularJS (1 yr.), jQuery (1 yr.), React (10 yr.)                                                                                        |
| <b>.NET Platform</b>                            | ASP.NET MVC (10 yr.), LINQ (13 yr.), .NET Core (10 yr.), WebForms (10 yr.)                                                                                 |
| <b>C++ Libraries and Tools</b>                  | C/C++/C# (13 yr.)                                                                                                                                          |
| <b>Java Libraries and Tools</b>                 | JSON (13 yr.)                                                                                                                                              |
| <b>Databases &amp; Management Systems / ORM</b> | Microsoft Azure SQL Server (4 yr.), MongoDB, relational databases (10 yr.), SQL (13 yr.)                                                                   |
| <b>UI Frameworks, Libraries, and Browsers</b>   | Bootstrap 4, CSS3 (13 yr.), HTML5 (13 yr.), jQuery (1 yr.), Socket.io                                                                                      |
| <b>Azure Cloud Services</b>                     | AAD (4 yr.), Azure App Service (4 yr.), Azure DevOps (10 yr.), Azure Service Bus (4 yr.), Microsoft Azure API (10 yr.), Microsoft Azure SQL Server (4 yr.) |
| <b>Amazon Web Services</b>                      | AWS Lambda (10 yr.), AWS SQS (4 yr.)                                                                                                                       |
| <b>Industry Domain Experience</b>               | Caesar II (10 yr.)                                                                                                                                         |
| <b>Version Control</b>                          | BitBucket (10 yr.), Git (10 yr.), Github Actions (1 yr.)                                                                                                   |

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|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Deployment, CI/CD &amp; Administration</b>   | Blazor, CI/CD (10 yr.), DevOps practices (10 yr.), Jenkins (10 yr.)                                                |
| <b>QA, Test Automation, Security</b>            | Code Review (10 yr.), Cypress (10 yr.), Jest (10 yr.), QA Automation (10 yr.), UAT (10 yr.), Unit Testing (10 yr.) |
| <b>Mail / Network Protocols / Data transfer</b> | JWT (4 yr.)                                                                                                        |
| <b>SDK / API and Integrations</b>               | JWT (4 yr.), Microsoft Azure API (10 yr.), RESTful API (10 yr.), Web API (10 yr.)                                  |
| <b>Soft Skills</b>                              | Mentor Aptitude                                                                                                    |
| <b>Methodologies, Paradigms and Patterns</b>    | microservices architecture (10 yr.), MVC (10 yr.), Observer (13 yr.), OOD (13 yr.), Scrum (10 yr.)                 |
| <b>Platforms</b>                                | PIM, SharePoint (3 yr.)                                                                                            |
| <b>Project Management &amp; Administration</b>  | Project Management                                                                                                 |
| <b>File Systems, Storage</b>                    | XML (13 yr.)                                                                                                       |
| <b>Other Technical Skills</b>                   | Performance Monitoring (10 yr.), Signal R                                                                          |

## WORK EXPERIENCE

### Solution Architect for Cloud & Automation - TrueMed LIS (TrueMed LIS)

**Duration:** Sept 2024 - Present

**Summary:** Enterprise cloud solution modernization and architecture redesign for healthcare systems, focusing on cloud-native, multi-tenant, and HIPAA-compliant deployments on AWS and Azure.

**Responsibilities:**

- Provided technical leadership and defined architectural standards for enterprise cloud solutions.
- Led modernization of legacy ASP.NET WebForms applications to .NET Core / .NET MVC.
- Designed and implemented multi-tenant cloud architecture on AWS and Azure with secure VNet integrations.
- Established centralized authentication and authorization using Azure AD / 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 separation of concerns.
- Integrated third-party lab systems and HL7-based healthcare data pipelines using secure API gateways and message queues.

**Technologies:** .NET Core, .NET MVC, ASP.NET WebForms, AWS, Azure (App Services, Azure SQL, Service Bus), Azure AD, JWT, Azure DevOps, GitHub Actions, HL7, Azure Service Bus, AWS SQS

## Senior Software Engineer - California Dental Association (CDA) (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 optimization.

**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 performance and scalability.
- Collaborated with cross-functional teams to translate business requirements into technical solutions.
- Managed cloud migration of legacy applications to Microsoft Azure reducing infrastructure costs.
- Designed CI/CD pipelines using Jenkins and Git, automating 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 (Enterprise Applications Development and Support)

**Duration:** May 2014 - Oct 2014

**Summary:** Development and support of front-end and back-end systems for financial applications, 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.
- Delivered production support by troubleshooting and resolving application issues.
- Implemented UI components using AngularJS and jQuery.
- Optimized database performance using SQL queries, stored procedures, and LINQ.
- Worked closely with QA to create test cases and support application testing and bug fixes.

**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 (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 streamline internal processes.
- 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)**  
Project Management (PMP Certified)

