



# Mohammad Nadeem

## Solution Architect (Azure/.NET / C#)

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### 👤 PROFILE

Purposeful Solutions Architect with 16 years of experience in spearheading the solutioning, design, development, implementation, complex deployment, and testing support of IT solutions mostly in Microsoft technologies.

A recognized leader, applying high-impact technical solutions to major business objectives with capabilities that transcend IT operation boundaries.

Adept at working with management to prioritize activities and achieve defined project objectives; able to effectively translate business requirements into technical solutions.

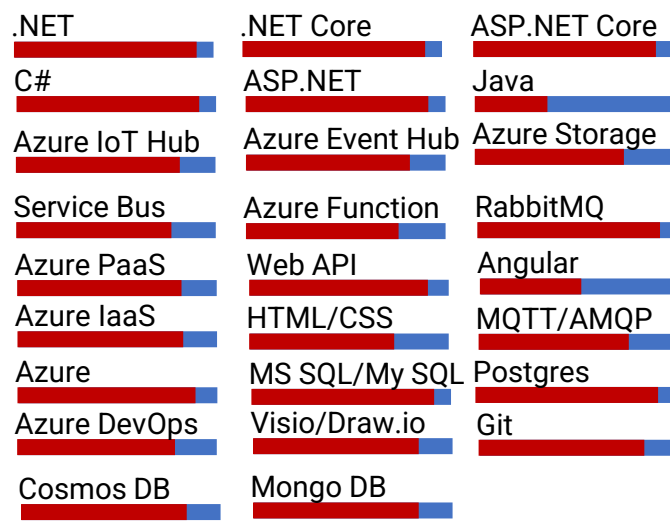
Committed to helping organizations to achieve maximum benefit from their IT investment through research, development, and implementation of technologies.

Excellent first-hand experience in Azure in designing and implementing cloud-based solutions for IaaS, PaaS, storage, implementing using Azure PaaS services like web sites, web/worker roles, SQL Azure database, storage, service bus, IoT Hub, Event Hub etc. understanding of security requirements for cloud, defining HA, DR solutions in Azure and assessing applications for cloud adoption.

### 💡 SUMMARY

- Coding and application development
- Solutions design and architecture
- Business Solutions Integration
- Systems Implementation
- Requirements Gathering
- Technical Support
- Technical Training
- Process Optimization
- Azure cloud infra provisioning
- Azure DevOps Implementation

### ⚙️ SKILLS



### 📁 WORK EXPERIENCE

- |   |   |  |
|---|---|--|
| <b>Solution Architect</b><br>Jun 2017 – Till date | 5 | Tech Mahindra Ltd.<br>NOIDA -INDIA               |
| <b>Technical Architect</b><br>Jul 2008- Mar 2017  | 4 | NTT DATA Services<br>NOIDA – India               |
| <b>Technical Specialist</b><br>Apr 2007- Jun 2008 | 3 | RMSI Private Ltd.<br>NOIDA - India               |
| <b>Team Leads</b><br>Oct 2002- Mar 2007           | 2 | Intelligent Information<br>System(IIS)           |
| <b>Senior Programmer</b><br>Sep 2000- Oct 2002    | 1 | OMEGA NET INDIA (P)<br>Ltd.<br>New Delhi - India |

### 🎓 EDUCATION

- 1 1996 **B Tech** from A.M.U Aligarh - India
- 2 1991 **10+2** from A.M.U Aligarh - India
- 3 1989 **High School** from U.P Board - India

### 👤 PERSONAL INFORMATION

**Passport Status:** Valid  
**DOB:** 2nd June 1974  
**Gender:** Male  
**Marital Status:** Married



## PROJECTS

### Solenis IIoT Industry 4.0

**Client:** Solenis

Mar 2021 – Till date

**Organization:** Tech Mahindra Ltd.

**Role:** Solution Architect

**Technology:** C#, ASP.NET Core 6.0, Entity Framework Core, JSON, REST, Angular 13, Postgres, Azure IoT Hub, Stream Analysis, Event Hub, Azure Function, Cosmos DB, MQTT, AMQP, Azure Blob storage, Azure AD, Power Automate, Azure Data lake, Azure IoT Edge

Tech Mahindra helped Solenis to embark on their digital journey and adopt industry 4.0 experience. Real-time visualization of the production process - visual dashboard and enterprise view on a single dashboard. Predictive Maintenance with recommend actions on top of data to improve manufacturing productivity and process. Trend Analysis - use of historical data to produce useful trends related to OEE, scrap, downtime, etc. Integration with external data sources and types of equipment like PLC, and MES. RMI (real-time manufacturing insights) with right at first KPI.

**Responsibility:** Complete technical ownership for Coding and development, providing technical solutions, team mentoring, writing the technical specification, debugging, refactoring, streamlining codes to ensure standards & policy have been followed and identifying the scope of new technology & tool to improve productivity & effectiveness.

### DiGiSENSE

**Client:** Mahindra & Mahindra -India, SsangYong Motor- South Korea

June 2017 – Jan 2021

**Organization:** Tech Mahindra Ltd.

**Role:** Solution Architect

**Technology:** C#, ASP.NET Core 3.1, Entity Framework Core, JSON, REST, Angular 4.0, Postgres, Azure IoT Hub, Stream Analysis, Event Hub, Azure Function, MongoDB, MQTT, AMQP

**DiGiSENSE** is IoT and cloud-based revolutionary connected vehicle platform that connects Mahindra & Mahindra and SsangYong Motor vehicles, tractors, trucks and construction equipment to the cloud, opening a whole extra dimension to the vehicle ownership experience. The platform puts a wealth of information at the fingertips of owners and fleet operators, enabling them to check various attributes remotely and functionalities of their vehicles and always track them along with remote control for passenger segment cars. It offers live tracking, alert, notifications, route planning, geo-Fencing, breakdown assistance, movement report & health report, FOTA, remote diagnosis and remote control.

**Responsibility:** Complete technical ownership for Coding and development, providing technical solutions, team mentoring, writing the technical specification, debugging, refactoring, streamlining codes to ensure standards & policy have been followed and identifying the scope of new technology & tool to improve productivity & effectiveness.

**Client/Project:** Homebys

June 2017 – March 2017

**Organization:** DELL

**Role:** Solution Architect

**Technology:** C#, ASP.NET Core, SQL server, HTML5, JSON, REST, Bootstrap, jQuery, Xamarin Android with C# etc.

At-home services provider for air conditioning services, electrical, plumbing, carpentry to fitness instructors all at customer's time & convenience.

Web-based as well as on Android Platform with complete workflow.

**Responsibility:** Coding and development, providing the technical solution, team mentoring, writing the technical specification, debugging, refactoring, streamlining codes to ensure standards & policy have been followed and identifying the scope of new technology & tool to improve productivity & effectiveness

## **StaaS – Storage as a service on vCloud**

**Client:** Dell Inc. Jan 2013 – Dec 2015

**Organization:** DELL

**Role:** Individual Contributor

**Technology:** C#, SQL 2008, ASP.NET MVC3, Entity Framework 4.1, Windows App Fabric, Workflow 4.0, Window 7/2008 & VMware Director

Application which provides storage platform on vCloud, automatic provisioning of VMs as a dedicated or reserved instance. WF4 is being used to provision VMs on the vCloud director and for enabling storage account. Custom activities have been written in WF4.0 for provisioning and storage account creation. Customer-facing web application has been developed in ASP.NET MVC3 using Entity Framework 4.0 for ordering and account creation and storage interface. Technology: C#, SQL 2008, ASP.NET MVC3, Entity Framework 4.1, Windows App Fabric, Workflow 4.0, Window 7/2008 & VMware Director.

**Responsibility:** Scrum team members with story delivery capability, design & develop the user stories & collaborate among the team members. Continuous Integration and Build Management Scrums Clarify the business decisions and convert them into the business requirement, develop, test and package the deliveries

## **HIS VISTA Integration**

**Client:** Max Healthcare –NCR Region, India.

August 2009 – Dec 2012

**Organization:** DELL **Role:** Solution Architect **Technology:** C#, .Net Remoting, Win Forms, MS SQL 2005, HL7 protocol, VistA (Open source EHR), Mirth integration engine

HIS (Hospital Information System) would be used to manage front office activities and VistA Health Information Systems and Technology Architecture) for clinical usage by doctors and Nurses. Both systems are integrated by HL7 messages using the .Net Remoting and Mirth integration engine.

**Responsibility:** Development of key tasks and validate with the client, given a demo of the apps to users Developed Workflow Integration Interface. Setting up a local environment for code development and remote delivery

## **SODA –SHL ON DEMAND ASSESSMENT**

**Client:** SHL Group –U.K

July 2008 – August 2009

**Organization:** DELL

**Role:** Solution Architect

**Technology:** .Net 3.5, ASP.NET, C#, WCF, Win Forms, MS SQL 2005, AzMan and IIS 6.0

SHL delivers improvements in people performance through assessment products including aptitude Tests, personality tests and expert consulting services. SHL operates in more than 50 countries and 30 languages for more than 15,500 clients. Under these initiatives, two interfaces have been developed for SHL users who will perform clients (Banks in 50 countries) administrative functions, develop Instruments for personality tests for the employees of clients. SOA architecture has been followed & reusable WCF service has been developed which are being used for both the interface. Window Authorization Manager (AzMan) has been used to manage windows users, Roles & permissions. End to end Integrated Windows Authentication has been used, using WCF Impersonation & Active Directory delegation feature.

**Responsibility:** Design & deliver the system from inception to delivery. Design deliverables, development, Testing deliverables, Implementation. Guide, assist or mentor the subordinates. Monitored software coding, testing, debugging, documentation, and installation tasks. Review the design document and prepare the key design to help the team to get design sign off from the client. Do the code review and execute day to day development. Implemented NFR (Non-Functional Requirement), performance plan, tuning Stored Procedure etc.

**BIDS – Business Intelligent Decision Support System**

**Client:** RMS Inc. – California US.

August 2007 – June 2008

**Organization:** RMSI

**Role:** Team Lead

**Technology:** C#, WPF, WCF, MS SQL 2005 & ETL

BIDS product will be used for quantifying and managing catastrophe risk in the primary insurance & re-insurance industry, which allow users to assess potential risk for specific perils such as earthquakes or windstorms in particular regions. Product will offer to run catastrophic models to enable enterprise-wide management of exposures (Risks), comparing the quality of different data sets understanding how to improve data quality & determining how to allocate reinsurance or how to improve key risk metrics in the least amount of time.

**Responsibility:** Prototyping of the applications, designing the data flow of the application and documenting each artefact, coding and designing of screens. Providing a technical solution, team mentoring, debugging and refactoring of codes.

**Customize Document Builder (CDB)**

**Client:** BLR.Com

April 2007 – July 2007

**Organization:** RMSI

**Role:** Team Lead

**Technology:** C#, ASP.NET, AJAX, DHTML, Java Script, MS SQL 2005 & Rad Control

CDB offer functionality to allow the user to access, customize and organize their own set of documents and save them in a personal collection in XML format. By choosing from the CDB, hundreds of prewritten documents are being accessible to the user, enabling search under relevant criteria e.g., alphabets, or topics. Moreover, these documents can be saved to the user’s local disc in PDF, RTF & HTML format.

**Responsibility:** Prototyping of the applications, designing the data flow of the application and documenting each artefact, coding of web pages. Providing a technical solution, team mentoring, debugging and refactoring of codes.

**NCPTS – North Carolina Property Tax System**

**Client:** Mecklenburg County, Charlotte - North Carolina - US

October 2005 – March 2007

**Organization:** IIS

**Role:** Team Lead

**Technology:** C#, ASP.NET, Web Service, DHTML, JavaScript, MS SQL 2000, Custom HTTP Handler

NCPTS is a fully integrated tax software system that automates, streamlines and integrates tax administration functions such as real estate, personal property, vehicle tax, billing, collections, land records and appraisal. The software system has been developed to adhere to North Carolina property tax law.

**Responsibility:** Completing the requirement gathering, prototyping of the applications, designing the data flow of the application and documenting each artefact, coding of web pages, testing the application and management of defects. Providing a technical solution, team mentoring, debugging and refactoring of codes.

**LR/CAMA**

**Client:** Wake, Henderson & Pitt Counties - North Carolina-US

April 2003 – July 2005

**Organization:** IIS

**Role:** Team Lead

**Technology:** C#, ASP.NET, Web Service, DHTML, JavaScript, MS SQL 2000, Custom HTTP Handler.

The Land Records/CAMA system is a crucial and integral part of the North Carolina Property Tax System (NCPTS) that primarily deals with the maintenance and mass appraisal of real property. The Land Records/CAMA system allows the creation and maintenance of all information about the real property like ownership, physical address, property characteristics, permits, sales records, adjustments, notes, associated attachments and value. In addition to these basic functions, the system is equipped to generate assessment rolls, property record cards, form letters and various other reports that aid in the assessment process. The Land Records/CAMA solution fully complies with the General Statute.

**Responsibility:** Completing the requirement gathering, prototyping of the applications, designing the data flow of the application and documenting each artefact, coding of web pages, testing the application and management of defects. Providing a technical solution, team mentoring, debugging and refactoring of codes.

**Permit and Inspection (PNI)**

**Client:** Yadkin & Wayne County North Carolina-US

June 2002 – February 2003

**Organization:** IIS

**Role:** Sr. Programmer

**Technology:** C#, ASP.NET, Web Service, DHTML, JavaScript, MS SQL 2000, Custom HTTP Handler.

The Permits and Inspection Application is a ‘one-stop solution for the various departments of the County Government that process and issue different types of permits and licenses. The Applications encompasses the permitting and inspections process spread largely across the Planning, Building, Inspection, Environmental Health Services, Emergency Services (Fire Services) & E-911 address departments.

**Responsibility:** Coding and development of web pages, Unit Testing, providing a technical solution, team mentoring, debugging and refactoring