

# Mohammed Nisar Ahmed

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## SUMMARY:

- Over 6+ years of hands-on experience in .NET development across all phases of SDLC. Proven expertise in developing scalable backend systems using ASP.NET Core, C#, and Microservices architecture with SQL Server.
- Skilled in Agile methodologies, Test-Driven Development (TDD), and RESTful/SOAP API design.
- Strong foundation in Object-Oriented Programming (OOP) concepts, including inheritance, polymorphism, abstraction, interfaces, exception handling, partial classes, and SOLID principles.
- Proficient in designing entity models, setting up data contexts, and crafting LINQ queries for SQL Server.
- Expertise in ADO.NET and Entity Framework for streamlined database management, data access, and relationship handling.
- Strong grasp of 3-Tier and N-Tier architectures, covering Presentation, Logic, and Data layers.
- Experienced in developing and integrating RESTful services with Web API, executing CRUD operations, and enhancing API performance and scalability.
- Hands-on experience with ASP.NET MVC, implementing design patterns such as Singleton, Factory, Repository, and Dependency Injection.
- Implemented authentication and authorization mechanisms using form-based and Windows authentication, role-based access control, and user account impersonation.
- Developed scalable microservices using .NET, ensuring modularity and maintainability.
- Proficient in HTML5, CSS3, XAML, JavaScript, and jQuery for crafting responsive and interactive user interfaces.
- Experience with AJAX to enable asynchronous data retrieval and real-time updates.
- Built Single Page Applications (SPA) using Angular and React for a seamless user experience.
- Developed Angular-based applications using reactive forms, data-driven and template-driven approaches, and custom asynchronous validations.
- Applied Directives, Data Binding, and Dependency Injection in Angular to improve modularity and reusability.
- Developed REST APIs using .NET Core and deployed backend services on AWS Lambda, reducing infrastructure costs.
- Integrated AWS API Gateway with Lambda for secure, scalable access to microservices.
- Hosted static content and front-end components on AWS S3, improving delivery performance.
- Configured and managed application environments using EC2 and cloud-native logging tools.
- Hands-on experience with Azure API Management and integrating REST services.
- Integrated and maintained CI/CD pipelines using Bitbucket, Bamboo, Jira, and Confluence, streamlining development workflows and deployments.
- Skilled in configuring and managing IIS servers for application hosting.
- Effective team player with a quick learning ability, capable of prioritizing, organizing, and executing multiple tasks independently or collaboratively.

## TECHNICAL SKILLS

Backend	.NET Core, ASP.NET MVC, Entity Framework, ADO.NET, LINQ Queries, Micro Services, Web API, Node.js (Express.js), Python, C#
Frontend	React (JavaScript+ TypeScript), Next.js, Angular, HTML, CSS, Bootstrap, Material UI, Web Forms Blazor, Razor Pages, WordPress
Cloud Services	Microsoft Azure (App Services, Azure AD, API Management), AWS (Lambda, Step Functions, S3, EC2, RDS, API Gateway, ECS, Cognito, CloudWatch, CloudFront, Route 53), GCP
Database Technologies	SQL Server, PostgreSQL, MySQL, MongoDB, Oracle DB, Dynamo DB.
Tools	xUnit, NUnit, Selenium, Visual Studio, VS Code, Figma, Postman
DevOps	Git, GitHub, GitLab, Azure DevOps, Docker, Jenkins, Kubernetes, MS Team Foundation Server.

## PROFESSIONAL EXPERIENCE

**Humane Action Pittsburgh**  
Web Developer | Pittsburgh, USA

Sep' 24 – Current

## **Responsibilities**

- Designed and implemented .NET Core Web APIs with SQL Server backend to power dynamic content for the organization's site.
- Enhanced UI using JavaScript, HTML5, and CSS3, ensuring responsive design for multiple screen sizes.
- Designed and implemented C# ASP.NET Core APIs to support dynamic content updates and streamline backend processes.
- Managed and optimized SQL Server for structured data storage and utilized SQL Server for WordPress content management.
- Refactored code, improved page load times, and implemented SEO best practices to enhance search engine visibility and overall performance.
- Integrated CRM systems, payment gateways, and social media APIs to improve donation processing and community engagement.
- Collaborated with internal stakeholders to gather requirements and deliver backend enhancements.
- **Environment:** C#, ASP.NET Core, RESTful Web API, JavaScript, HTML5, CSS3, SQL Server, SQL Server, CRM Integration, Payment Gateways, social media APIs, SEO Best Practices, Visual Studio, Git.

## **Nationwide Insurance**

**Jan' 24 – Aug'24**

### **Full Stack Developer | Florida, USA**

## **Responsibilities**

- Designed and implemented scalable back-end solutions using C# and .NET Core, ensuring smooth integration with front-end frameworks such as React.
- Built and optimized RESTful APIs using .NET Core, improving maintainability and reducing response times by 75%.
- Developed cloud-native microservices using .NET Core, following Microservice Design Patterns and integrating API Gateways to build scalable and resilient applications.
- Integrated PostgreSQL with .NET Core applications, optimizing query performance.
- Translated around 10 Figma designs into responsive and cross-browser compatible interfaces using Telerik Kendo UI, styled with Grid layouts, and media queries for optional user experience across devices.
- Implemented reactive programming patterns using RxJS to handle asynchronous data streams and events, improving application responsiveness by 90%.
- Applied state management techniques using NgRx to manage complex application states, leading to notable improvements in performance with 95% and scalability.
- Deployed static assets and front-end applications to Amazon S3, optimizing load times and improving application responsiveness across regions.
- Configured and monitored EC2 instances to host backend services, ensuring high availability and performance tuning through cloud-native monitoring tools like CloudWatch.
- Worked closely with DevOps teams to automate deployments using CI/CD pipelines, deploying .NET Core microservices to AWS environments with tools like GitLab and Azure DevOps.
- Applied IAM policies and role-based access control to ensure secure service-to-service integrations within AWS infrastructure.
- Crafted 20+ custom React components, directives, and pipes to supercharge application functionality.
- Conducted code reviews and pair programming sessions to maintain high code quality and promote knowledge sharing within the team.

**Environment:** C#, .NET Core, RESTful Web API, Microservices, API Gateway, GitLab, AWS (Lambda, API Gateway, CloudWatch, Cognito, S3, EC2, ECS, Step Functions, CloudFront, Route 53, DynamoDB, RDS), PostgreSQL, React.js, RxJS, NgRx, Telerik Kendo UI, Figma, JavaScript, HTML5, CSS3, Grid Layouts, Media Queries, Agile (SCRUM), SDLC, Visual Studio, Git, Pair Programming, Code Review Tools.

## **Mindtree Limited**

**Jan'19 – July'22**

### **Sr. Software Engineer | Bangalore, IND**

**Client: Mindtree Cloud Infrastructure Services (CIS) | Bangalore | IND**

## **Responsibilities**

- Designed and deployed enterprise-level multi-threaded applications using C# and .NET, ensuring high performance and adherence to SOLID principles and Object-Oriented Design.
- Developed RESTful Web APIs using ASP.NET Core, LINQ, and Async/Await, integrating JSON-based services for seamless data exchange.
- Developed a custom tool to automate database permissions, enhancing access control accuracy and reducing human error by 50%.

- Built an internal application using .NET Core with Blazor for the front end, optimizing real-time data processing and display.
- Assisted in testing and deployment processes, ensuring smooth transitions across development, staging, and production environments.
- Developed secure REST API integrations using Angular 11, leveraging Azure Active Directory for authentication and ASP.NET Core Identity with JWT tokens for role-based authorization.
- Streamlined data entry using reactive forms in single-page interactive applications, reducing input errors by 40% and enhancing user satisfaction.
- Led the development of an internal application to automate asset tracking for new Mindtree employees, improving team efficiency by 70% through the transition from manual to automated processes.
- Proficiently interacted with databases using ASP.NET Core and SQL Server, optimizing SQL queries, functions, triggers, and stored procedures, leading to a 15% reduction in query execution time.
- Led technical design documentation and design reviews for UI development, aligning with business requirements and improving design efficiency by 20%.
- Managed version control using GitHub, ensuring smooth collaboration and 99% uptime by deploying code to the GIT repository.
- Utilized Docker and Kubernetes for containerization and deployment, working with GitLab 14 for version control and deploying across Test and Production servers in multiple environments.
- Recognized with A-TEAM and CREST Awards for exceptional dedication, contributing to the success of two high-impact projects.

**Environment:** C#, .NET Core, ASP.NET Core, RESTful Web API, Blazor, Angular 11, SQL Server, LINQ, Entity Framework, Azure Active Directory, JWT, GitHub, GitLab 14, Docker, Kubernetes, BizTalk, Reactive Forms, JSON, SOLID principles, Agile, CI/CD pipelines, Linux/Unix environments.

**Surya Allied Services, Hyderabad, India**

**Jan’18 – Dec’18**

**Software Developer Intern | Hyderabad**

**Responsibilities**

- Utilized .NET object-oriented features (C#), including event handling, error management, caching, and security features.
- Designed, developed, and maintained web applications using ASP.NET MVC, C#, and Entity Framework, gaining hands-on experience in .NET development.
- Built and optimized RESTful APIs and implemented CRUD operations to enhance backend performance and scalability.
- Debugged and resolved application issues, improving troubleshooting and problem-solving skills.
- Led code quality improvements by conducting design reviews, code reviews, and secure software development practices, ensuring compliance with best practices and security standards.
- Worked with SQL Server to write and optimize queries, stored procedures, and triggers for efficient database operations.

**Environment:** C#, ASP.NET MVC, Entity Framework, RESTful Web API, SQL Server, ADO.NET, LINQ, HTML, JavaScript, OOP, Design Reviews, Code Reviews, CRUD Operations, Visual Studio.

**CERTIFICATIONS**

[Microsoft Certified: Azure Developer Associate](#)

Oct’2024.

**EDUCATION**

MS in CS, University of Central Missouri, Lee Summit, MO

May’2024.

BE in CS, Chaitanya Bharathi Institute of Technology, Hyd, TG, India

April’2018.