Nisar Ahmed Mohammed | 📞 **(913) 374-****** | 📍 **USA** | **mnisarahmed937@gmail.com** | **LinkedIn** | **Portfolio** | **Seasoned .NET Full-Stack Developer with 6+ Years' Experience in Insurance & Enterprise Applications | Expert in Scalable Microservices & Cloud-Native Solutions**

Professional 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, Neo4j, 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

Web Developer   **Jun 2024-Present**
Humane Action Pennsylvania – USA

- Built dynamic RESTful APIs using C# and ASP.NET Core to serve backend functionality for the organization's website.
- Used custom WordPress plugins and short codes to connect these APIs with the front-end, enabling real-time content management through a familiar interface.
- Employed MySQL for WordPress content storage, taking advantage of its native compatibility, while utilizing SQL Server for structured enterprise data where stronger ACID compliance and integration with .NET tools were critical.
- Improved front-end responsiveness and accessibility using HTML5, CSS3, and JavaScript, ensuring a consistent user experience across devices.
- Refactored and optimized backend code to enhance performance and reduced load times, while implementing on-page SEO strategies to boost search engine visibility.
- Integrated external systems like PayPal (for donations), and social media APIs to streamline user engagement and backend operations.
- Collaborated with stakeholders to scope backend enhancements and deliver web functionality aligned with organizational goals.

Environment: C#, ASP.NET Core, RESTful Web API, WordPress (MySQL), SQL Server, JavaScript, HTML5, CSS3, PayPal, SEO, Git, Visual Studio

Full-Stack Developer   **Jan 2024-May 2024**
Nationwide Insurance- Ohio, USA

- Engineered scalable microservices in .NET Core, integrating them with API Gateway to route traffic and enforce security policies via IAM roles and Cognito authentication.
- Enabled secure communication between microservices and front-end apps using CORS policies, JWT-based tokens, and role-based access control within AWS.
- Designed and optimized RESTful APIs to support React-based applications, reducing backend response times by up to 75% and enhancing maintainability.
- Designed and managed relational data models using PostgreSQL for high-performance querying.
- Utilized Entity Framework Core for schema management, database migrations, and LINQ-based data access, ensuring data integrity and optimized performance.
- Deployed front-end applications and static assets to Amazon S3 with CloudFront CDN, improving load times globally and supporting SPA routing.
- Monitored service health and performance using CloudWatch, configured alerts, and performed tuning on EC2-hosted APIs to maintain uptime and efficiency.

- Automated CI/CD pipelines using GitLab and Azure DevOps, ensuring consistent deployments across multiple AWS environments.
- Translated Figma designs into responsive UIs using Telerik Kendo UI, media queries, and Grid layouts, achieving pixel-accurate rendering across browsers.
- Implemented RxJS and NgRx for asynchronous event handling and complex state management, boosting front-end responsiveness by over 90%.
- Created 20+ reusable React components, including custom directives and pipes, improving code reusability and team velocity.
- Collaborated in code reviews and pair programming, maintaining code quality and driving shared understanding across team members.

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.

Sr. Software Engineer   **Jan 2019–July 2022**
LTIMindtree- Bangalore, IND
Client: Microsoft & CIS
- 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.

Software Developer   **Jan 2018–Dec 2018**
Surya Allied Services – Hyderabad, IND

- 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

Academics
- Masters in computer science, University of Central Missouri, Lee Summit, MO.   May-2024
- Graduated in Computer Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad, INDIA.   Apr-2018