**Mounika**

# SUMMARY:

Around 8 years of IT experience, encompassing the entire lifecycle of web and mobile application development. My skills span a wide array of technologies, including Angular, C#.Net, ASP.Net MVC, Entity Framework/Core, Dapper, Web API.NET, Web forms, Web services, SQL Server, MySQL, and Agile/SCRUM methodology.

* Excel in all phases of the software development life cycle, from gathering user requirements and conducting analysis to designing, coding, debugging, testing, and deploying applications in various work environments.
* Extensive experience in User Interface (UI) development covers a range of technologies, such as Angular 5/6/7/8/9/10/12, ASP.NET, HTML, XML, JavaScript, jQuery, CSS3, Ajax, and Angular JS.
* Hands-on experience with Model-View-Controller (MVC) and a strong grasp of Singleton and Facade design patterns.
* Well-versed in Microsoft's building blocks for .Net projects, including Data Access, Exception and Error Handling, Caching, and Configuration Management Application Blocks.
* Expertise extends to Entity Framework, Dapper, and NHibernate ORM tools, and I have worked extensively on developing both REST and SOAP-based applications.
* Have a proven track record of effectively utilizing LINQ in web pages for data retrieval and updates.
* Designing and developing a variety of web components, ranging from Web forms and Razor controls to Web User Controls, Custom Controls, Server Controls, and Web Services.
* Have a background in Object-Oriented Analysis and Design (OOAD) and possess strong Object-Oriented Programming (OOP) skills.
* Extensive experience with ADO.NET, employing Data Adapter, Data Reader, and Dataset for data manipulation and retrieval.
* Collaborated with Wealth Management stakeholders to understand business requirements and translate them into technical solutions.
* Collaborated with financial experts to implement features specific to Wealth Management, such as portfolio tracking, investment analysis, and client reporting.
* Knowledge extends to various .NET security features, encompassing Authentication & Authorization, Windows-based Authentication, Forms-based Authentication, and User and Role authorization.
* Possess in-depth knowledge of RDBMS principles, including SQL Design, Querying, Indexing, and Transaction processing.
* Worked on Azure Devops YAML pipelines.
* Proficient in using Swagger to create clear and comprehensive API documentation.
* Extensively worked on designing Swagger/Rest contracts and developing end to end.
* Have crafted Constraints, Joins, Views, and Triggers in SQL Server, along with writing Views, Stored Procedures, Functions, Cursors, and Triggers to access data from diverse databases.
* Experienced in working with T-SQL, PL-SQL database environments, and NoSQL Platforms.
* Solid background in deploying applications on Azure and AWS cloud environments using CI/CD services.
* Proficiency encompasses various .NET Design Patterns, such as Dependency Injection (DI), Inversion of Control (IOC), MVVM (Model-View-View-Model), and MVC (Model-View-Control).
* Skilled in adapting to various design methodologies, including both Waterfall and Agile.
* Familiar with Power BI for report generation and integration into .NET applications.
* Hands-on experience with Kubernetes and Docker for containerizing applications.
* Well-versed in working with various version control systems, including TFS, SVN (Subversion), and GIT.
* Experience includes debugging, testing, error logging, and efficiently resolving bottlenecks. I make use of UNIT testing frameworks and adhere to Test-Driven Development (TDD) practices to ensure the integrity of cross-platform code implementation.
* Have a track record of excelling in both application development and production support environments, particularly when troubleshooting cross-platform web-based applications.

# TECHNICAL SKILLS:

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| IDE | Visual Studio 2019/2017/2015/2013/2012/2010 |
| Programming/Scripting Languages | C#, JavaScript, TypeScript |
| .Net Technologies | ASP.Net MVC, RESTful Services, LINQ, Web Forms, Web Controls, ASP/Razor Controls, User Controls, Telerik Controls, Web Services, ADO.NET, WCF |
| Databases | SQL server 2008 R2/ 2012/2014/2018, MySQL, MongoDB, SSRS, Power BI, MS Access, Office Tools |
| Frameworks | .Net Core 3.1/3.2, .Net Framework 3.0/3.5/4.0/4.5/4.6/4.7/4.8, ASP.NET MVC 3.0/4.0/5.0, Entity Framework, NHibernate, Dapper |
| Web servers | IIS (Internet Information Services), NgInx |
| UI Frameworks | HTML5, CSS3, Angular JS, Angular 2/4/5/6/7/8/9/10/12/13, Node.js, RxJS, Redux, K6 |
| Source Code Management Tools | TFS (Team foundation server), Tortoise SVN, GIT |

**Professional Experience:**

**Caterpillar, Peoria, Illinois Jan 2023 – Till Date**

Full Stack .NET Developer

**Responsibilities:**

* Involved in various phases of the Software Development Life Cycle (SDLC), including requirement analysis, design, programming, testing, and documentation.
* Designed user experience interface (UI/UX) strategies and UI requirements.
* Developed flexible and user-friendly web pages with Angular 13, Typescript 4.4, HTML5, CSS3, JavaScript, and jQuery.
* Utilized Angular materials and RxJS operators extensively.
* Implemented JavaScript and ASP.NET validation controls for data validation.
* Designed advanced .NET Core applications using C#, .NET web APIs, Entity Framework, and various data access layers.
* Developed ASP.NET Core web APIs based on requirements and specifications.
* Utilized advanced concepts of ASP.NET Core MVC, such as models, providers, and filters.
* Implemented JWT token-based authentication for securing ASP.NET Core web APIs and providing authorization to users.
* Developed RESTful web APIs using ASP.NET Core.
* Deployed and scaled web applications and services on AWS Beanstalk for technologies like Java, PHP, and Docker.
* Integrate Swagger into .NET core projects to facilitate API documentation and Testing
* Wrote unit tests for .NET Core web API action methods using Xunit.
* Gained experience in JavaScript, Docker, AWS, webpack, MongoDB, and GitHub.
* Managed application stack in AWS, including EC2 and S3 bucket.
* Configured and maintained AWS ECS repository for deploying Docker images, task scheduling, and cluster configuration.
* Designed and developed abstract classes, interfaces, and classes to construct business logic using .NET.
* Utilized ASP.NET validation controls for user input validation.
* Programmed applications using .NET Core and AWS Lambda API.
* Integrated the application with AWS Lambda serverless API.
* Deployed ASP.NET Core web applications and APIs to ECS using an Azure DevOps pipeline.
* Responsible for designing and developing reusable UI components.
* Created different services, custom directives, and custom templates in UI.
* Designed and implemented Ngrx Store for centralizing application state on the client side.
* Participated in the transition process of domain decomposition from monolithic architecture.
* Implemented Single Sign-On (SSO) using the OKTA library.
* Integrated interRAI for assessment evaluation.
* Created different microservices as part of domain decomposition.
* Created YAML based CI/CD pipelines on Azure DevOps.
* Implemented CI/CD systems using Azure DevOps on Kubernetes containers.
* Gained experience in implementing Azure services such as Azure Active Directory, Azure Storage, Azure Cloud Services, Azure Resource Manager, Azure Functions.
* Provided production support for the legacy application.
* Integrated SonarQube and Veracode for maintaining code standards and fixing vulnerabilities.
* Prototyped several versions of possible UI approaches to provide choices to the business.
* Implemented unit testing using Jasmine/Jest frameworks on UI.
* Implemented unit testing using XUnit on APIs and Implemented load testing using K6.
* Involved in application containerization using Docker and Kubernetes (AKS).
* Wrote raw queries, stored procedures, and functions.
* Created collections and documents using MongoDB.
* Migrated from a relational database (SQL Server) to a non-relational database (MongoDB).
* Reviewed code and performed unit, functional, and integrated testing to ensure quality standards.Hosted web applications in Azure.
* Involved in generating useful documentation for Open API and help pages for REST APIs using Swagger and YAML.
* Worked with Azure Storage, Azure Cosmos DB, Azure SQL API, and various PaaS solutions.
* Utilized Azure DevOps for project management, development, and end-to-end testing operations.
* Migrated from legacy .NET to Azure using Azure App Services Migration Assistant.

**Illinois Department of Public Health, Springfield, Illinois JAN 2022 - Dec 2022**

Full Stack .NET Engineer

**Responsibilities:**

* Designing user experience (UI/UX) strategies and requirements, leading to the creation of flexible, user-friendly web pages with Angular, TypeScript, HTML5, CSS3, JavaScript, and jQuery.
* Architecting single-page applications and extensively utilizing Angular materials and RxJS operators.
* Developing reusable UI components to enhance application efficiency.
* Building and deploying XML web services using ASP.NET and C#, creating proxy class files, and integrating them into web applications.
* Contributed to the development of a Health and Wealth Management integrated platform, providing users with holistic financial and health data.
* Working extensively with AWS services such as EC2, ECS, S3, and DynamoDB.
* Experience with a range of AWS services, including EC2, S3, Elastic Beanstalk, Code Deploy, Lambda, API Gateway, Load Balancer, RDS, and CloudFormation.
* Designing and developing AWS Lambda APIs using .NET Core and deploying AWS Lambda functions.
* Creating various services, custom directives, and templates within the UI.
* Designing, developing, and testing .NET Core applications using the .NET framework.
* Designing user interfaces using ASP.NET MVC views, partial views, and multiple interfaces for data transfer.
* Implementing Ngrx Store to centralize application state on the client side.
* Configuring NgInx for serving the UI application and implementing client-side logging using Datadog.
* Upgrading single-page applications from Angular 9 to Angular 10.
* Implementing Single Sign-On (SSO) with Code Flow using the OIDC library.
* Designing and consuming RESTful APIs.
* Deploying Azure tools such as Microsoft Azure Service (PaaS, IaaS), and Web Apps.
* Working extensively with Azure Terraform templates for building and installing servers and creating resources.
* Using Jira for project management, development, and end-to-end testing operations.
* Providing production support for backend applications.
* Integrating SonarQube and VeraCode for code quality maintenance and vulnerability fixing.
* Creating CI/CD pipelines with Helm charts for applications across different environments.
* Prototyping various UI approaches to offer choices to the business.
* Implementing unit testing using Jasmine/Karma frameworks.
* Involvement in application containerization using Docker and Kubernetes.
* Writing raw queries, stored procedures, and functions.
* Reviewing code and conducting unit, functional, and integrated testing to ensure quality standards.
* Creating Azure App Services and hosting applications on Azure.
* Designing and implementing Azure solutions across various cloud models (SaaS, PaaS, IaaS).
* Environment: Angular 9/10, HTML5, CSS3, Material UI, JavaScript, jQuery, .NET Framework, LINQ, Java 8, Spring Boot, Hibernate, Visual Studio Code, IntelliJ, Oracle, AWS, OpenID Connect, Jira.

**Morgan Chase, Jan 2020 - Dec 2021**

Full Stack .NET Engineer

Responsibilities:

* Designing and developing web forms using ASP.NET, including the use of web controls, user controls, and custom controls.
* Involvement in different SDLC phases, including requirement analysis, designing, programming, testing, and documentation.
* Designing user experience (UI/UX) strategies and UI requirements.
* Creating a Web API for the back-end and performing database operations (CRUD) through EF/Core.
* Developing smart search functionality in the application.
* Designed and developed user-friendly web pages and interfaces for wealth Management applications using ASP.NET, Angular, TypeScript, HTML5, CSS3, JavaScript, jQuery, and C#.NET.
* Implemented Wealth Management features, including account management, risk assessment tools, and real-time investment tracking within the application
* Extensively using Kendo controls, Custom controls, Sync Fusion controls, and RxJS operators.
* Designing and implementing core components, including Data Access Layer (DAL) and Business Logic Layer (BLL).
* Experience in configuring AWS services like EC2, EBS, RDS, CloudWatch, Auto Scaling, IAM, Route 53, DynamoDB, and S3.
* Ensured compliance with financial regulations and security standards in all Wealth Management-related modules.
* Working with auto scaling, CloudWatch, AWS Elastic Beanstalk, Amazon S3, and Amazon EBS.
* Implementing and maintaining monitoring and alerting in production using AWS CloudWatch.
* Creating alarms and notifications for EC2 instances using CloudWatch.
* Hands-on experience in AWS Lambda API and .NET Core.
* Developing ASP.NET user controls and using ASP.NET Core web form controls.
* Responsible for designing and developing reusable UI components.
* Creating various services, custom directives, and custom templates in the UI.
* Designing and implementing Ngrx Store to centralize application state on the client side.
* Implementing server-side caching using Redis cache.
* Upgrading a single-page application from Angular 6 to Angular 10.
* Migrating the backend application from .NET Framework to .NET Core.
* Creating CI/CD pipelines for applications across different environments.
* Integrating the CardConnect payment gateway for payment processing.
* Implementing Microsoft Patterns and Practices.
* Writing microservices using ASP.NET and AWS Lambda.
* Prototyping different UI to meet the specific needs of Wealth Management clients, providing multiple options for consideration.
* Implementing unit testing using Jasmine/Karma frameworks to ensure the reliability of financial application components.
* Integrating Kendo and Sync Fusion libraries.
* Implementing ORM Frameworks Entity Framework Core/NHibernate Database First Approach.
* Writing raw queries, stored procedures, and functions.
* Reviewing code and performing unit, functional, and integrated testing to ensure quality standards.
* Developing and designing Azure DevOps pipelines for managing resources across multiple Azure subscriptions.
* Involvement in application containerization using Docker and Kubernetes.
* Using Azure DevOps for project management, development, and end-to-end testing operations.
* Environment: Angular 6/10, ASP.NET Web API, .Net Core 3.1, C#.NET, HTML5, CSS3, Kendo UI, Sync Fusion UI, JavaScript, jQuery, NHibernate, LINQ, Visual Studio 2017, SQL Server 2014, Azure DevOps

**Infosys Pvt Ltd, India Feb 2018 - Jun 2019**

.NET Developer

**Responsibilities:**

* Analysis, design, implementation, testing, and maintenance.
* Creation of Angular JS Controllers, Scope, Model, View, Services, Factory, etc., to isolate scopes and perform operations in the UI.
* Experience using Swaggers for API Testing and Validation.
* Development of custom Angular JS directives for data manipulations, validations, and displaying data in a standardized format.
* Incorporation of authorization and authentication in views, with access privileges based on user credentials.
* Design and development of reusable UI components such as MVC Master Pages & Layouts, Nested Layouts, View Start, MVC User Controls & Partial Views, custom site pages, lists, views, Razor views, and master pages.
* Use of ASP.NET MVC Page Controller pattern to add functionality to individual pages and invoke controller actions based on page requests.
* Implementation of Language Integrated Query (LINQ) for efficient data retrieval.
* Design and development of various pages using ASP.NET, C#, HTML, CSS, and JavaScript.
* Implementation of Entity Framework Code First Approach for Object-Relational Mapping (ORM).
* Providing fixes for defects identified during validation and UAT phases.
* Deployment of applications on AWS cloud compute environments.
* Creation and integration of reports using report view controls and SQL Server Reporting Services (SSRS).
* Utilization of Selenium automation tool for end-to-end testing.
* Interface and code behind functionality implementation, database modeling, table creation, and writing stored procedures using PL/SQL.
* Tracking outstanding bugs and issues using Unfuddle to improve communication and productivity.
* Creation of Triggers, Functions, Indexes, Views, and other T-SQL code, along with SQL joins for application data retrieval and manipulation.

**Environment:** SQL Server 2014, Angular JS, ASP.NET, Entity Framework, LINQ, ASP.NET Web API, C#.NET, Selenium, HTML, CSS, JavaScript, jQuery, Ajax, XML, Visual Studio 2015, SSRS, AWS (Amazon Web Services).

# Rmsi Pvt Ltd, India Sep 2015 - Jan 2018

**.NET developer**

* Requirement analysis, designing, programming, testing, and documentation.
* Designing and developing web forms using ASP.NET, including the use of web controls, user controls, and custom controls.
* Creating web pages with data-bound controls such as Data Grid, Data List, and Data Repeater, using techniques like data binding and data templating.
* Implementing state management techniques, including View State, Hidden State, Session objects, Cookies, and Query strings, to maintain application state.
* Using JavaScript for client-side validation to improve web page performance by reducing server-side requests.
* Utilizing Web Services, specifically SOAP, for communication with other applications.
* Leveraging ADO.NET components like command objects, connection objects, DataReader, DataAdapter, Dataset, and DataTable for database communication, data retrieval, and display.
* Creating reusable pages such as master pages and partial pages using web user controls.
* Developing Data Tables and stored procedures for database transactions within SQL Server.
* Designing and implementing a Data Layer object in C# to execute stored procedures and work with Data Sets, Data Tables, and Data Readers.
* Implementing AJAX for enhancing the interactivity of HTML-based applications.
* Designing and developing various reports using Crystal Reports.
* Performing debugging to support software development and resolve issues.
* Taking responsibility for developing Stored Procedures, Tables, Indexes, and Scripts for database transactions.

**Environment:** SQL Server 2005, ADO.NET, ASP.NET, C#.NET, Web Services, Crystal Reports, HTML, CSS, JavaScript, XML.