**MEGHA GOWDA
Senior .NET Developer**

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**PROFESSIONAL SUMMARY**

* **Over 9 years** of comprehensive IT experience in all phases of the Software Development Life Cycle (SDLC), including analysis, design, development, testing, and deployment.
* Proficient in Agile (Scrum) and Waterfall project management methodologies, demonstrating versatility in project execution.
* Advanced skills in developing RESTful services using ASP.NET Web API and C#; adept in backend service architecture.
* Expertise in object-oriented programming, UML, and design patterns such as Dependency Injection, Abstract Factory, Observer, and MVC, enhancing software design and maintainability.
* Developed robust Windows and Web applications, as well as Web Services, primarily using C#.
* Designed and implemented Data Access Layers (DAL) and Business Logic Layers (BLL) in C#, applying Service-Oriented Architecture (SOA) principles.
* Extensive experience with RDBMS including SQL Server, Oracle and MS Access; proficient in using Entity Framework, ADO.NET and PL/SQL.
* Utilized jQuery for client-side validations and AJAX for dynamic, asynchronous web interactions.
* Proficient in advanced SQL techniques and best practices; developed, optimized, and maintained complex SQL queries, stored procedures, and functions for high-transactional database systems.
* Demonstrated expertise in database schema design and normalization, ensuring data integrity and performance optimization in SQL Server and Oracle environments.
* Designed and implemented security protocols using JSON Web Tokens (JWT) for secure communication between clients and servers; proficient in setting up token-based authentication and authorization in .NET applications.
* Developed interactive, responsive user interfaces using Angular.js, and built Single Page Applications (SPAs) effectively with Angular.js frameworks.
* Proficient in debugging and troubleshooting React.js applications using browser developer tools, React DevTools, and other debugging techniques to identify and resolve issues efficiently.
* Comprehensive experience in designing 3-tier, N-tier, MVC, and MVVM architectures.
* Proficient with a broad range of Microsoft technologies, including ASP.NET, ASP.NET MVC, VB.NET, C#.Net, and .NET Core; experienced in modern JavaScript frameworks like Angular and Vue.js.
* Developed complex SQL Server Reporting Services (SSRS) and T-SQL scripts for data reporting and analysis, proficient in database performance tuning.
* Integrated NoSQL databases such as MongoDB, Cassandra, and Redis into solutions, enhancing data scalability and performance.
* Designed and deployed SQL Server Integration Services (SSIS) packages for efficient data warehousing.
* Integrated central identity management using Okta with OIDC and OAuth 2.0 protocols for enhanced security across .NET Core applications.
* Experienced with DevOps tools and practices including Docker, Kubernetes, GIT, Jenkins; proficient in CI/CD implementations using Azure DevOps and AWS Code Pipeline.
* Proficient in AWS services including Elastic Compute Cloud (EC2), Simple Storage Service (S3), Lambda, Relational Database Service (RDS), DynamoDB, Elastic Beanstalk, CloudFormation, Identity and Access Management (IAM), Simple Notification Service (SNS), Simple Queue Service (SQS), API Gateway, CloudWatch, Elastic Load Balancing (ELB), Virtual Private Cloud (VPC), Key Management Service (KMS), and Elastic Container Service (ECS).
* Extensive experience with Microsoft Azure services, including Azure App Service, Azure SQL Database, Azure Cosmos DB, Azure Active Directory, Azure Functions, Azure Blob Storage, Azure Table Storage, Azure Redis Cache, Azure Service Bus, Azure Event Hub, Azure Logic Apps, Azure Kubernetes Service (AKS), Azure DevOps, Azure Application Insights, Azure CDN, and Azure Key Vault.

**TECHNICAL SKILLS**

| **Skill Area** | **Technologies/Tools** | **Expertise Level** |
| --- | --- | --- |
| **Frontend Development** | HTML5, CSS3, JavaScript, TypeScript, Angular, React JS | Advanced |
| **Backend Development** | C#, .NET Core, ASP.NET MVC, Web API, Entity Framework | Advanced |
| **Database Management** | SQL Server, Oracle, MongoDB, Redis, CosmosDB | Advanced |
| **Cloud Platforms** | Azure (VMs, Web Apps, Service Bus, Functions), AWS (EC2, S3, Lambda) | Advanced |
| **DevOps & CI/CD** | Docker, Kubernetes, Azure DevOps, AWS CodePipeline, Jenkins | Proficient |
| **Security** | JWT, OAuth, .NET Security Features (Authentication, Authorization) | Proficient |
| **API Development** | RESTful Services, GraphQL | Advanced |
| **Version Control** | Git, SVN | Advanced |
| **Scripting & Automation** | PowerShell, Bash | Proficient |
| **Testing** | XUnit, Jest, NUnit, MOQ | Proficient |
| **Performance Tuning** | SQL Profiling, Database Indexing, Application Profiling | Advanced |
| **Software Architecture** | MVC, MVVM, 3-tier, N-tier, Microservices | Advanced |
| **UI/UX Design** | Bootstrap, Angular Material Design | Advanced |
| **Data Warehousing** | SSIS, ETL Processes, Data Lakes | Advanced |

**PROJECT EXPERIENCE**

# Client: ABC Supply, Chicago, Illinois July 2023 – Till Date

# Role: Senior .Net Developer

**Responsibilities:**

* Involved in all the phases of Software Development Life Cycle (SDLC), including Requirements gathering, Designing, Programming, Testing, and Documentation of various projects.
* Used AGILE SCRUM methodology to deliver in sprints and attended Status Meetings and Code Review Meetings.
* Developed and maintained SOAP and RESTFUL web services for application consumption using C#.
* Implemented WEB API services for CRUD operations with HTTP verbs GET, POST, PUT, and DELETE using Entity Framework Code First Approach or Dapper depending on the requirement.
* Implemented the Layers (Data access layer, Business Logic Layer, UI layer), Core Libraries, Helper methods, Utilities, Dynamic Settings, Extended Methods.
* Implemented JWT Security to provide authentication and authorization to secure the Web API.
* Identified and resolved security vulnerabilities, including CSRF, XSS, and SQL Injection, thereby fortifying the security framework of applications.
* Involved in the design and implementation of the client web application, including multiple modules using HTML5, CSS3, Bootstrap, JavaScript, Angular 14, TypeScript, and Visual Studio Code.
* Created reusable components, custom directives, services, and pipes in Angular, using Angular CLI for generating components, services, and directives.
* Developed highly modular and advanced object-oriented code using state management technologies like RxJS in TypeScript to ensure reusability, extensibility, and ease of maintenance.
* Used Angular 14 and RxJS to operate on Observables that pass data from API endpoints.
* Utilized TSLint to check TypeScript code for readability, functional errors, and maintainability.
* Utilized Postman for testing and validating the functionality of SOAP and RESTful web services developed in C#, ensuring adherence to API specifications and requirements.
* Utilized Postman for conducting security tests on APIs, identifying vulnerabilities like CSRF, XSS, and SQL Injection, and ensuring robust security measures are in place.
* Integrated Postman in the CI/CD pipeline, automating API testing in various stages of deployment, ensuring continuous delivery of high-quality software.
* Worked in a test-driven development environment, leveraging Jest to write unit tests and integration tests for all new and existing functionality.
* Created TypeScript reusable components and services to consume REST APIs using a component-based architecture provided by Angular.
* Used Angular to build UI components, developed filters to display different dimensions of data, and implemented font size modifiers.
* Implemented two-way data binding in Angular to enable automatic synchronization of data between model and view components.
* Utilized Angular 14 Router to build a single-page application (PWA) for navigating through different states and multiple modals.
* Developed and modified T-SQL stored procedures and triggers to ensure data integrity.
* Implemented indexed views and optimized indexes to enhance the performance of complex queries.
* Demonstrated strong T-SQL development skills for crafting intricate queries involving multiple tables, with a focus on maintaining stored procedures, triggers, and user-defined functions.
* Optimized long-running stored procedures and queries for efficient data retrieval.
* Created, designed, and maintained SQL Server Reports using SSRS, involving tasks such as requirement definition, design, development, testing, implementation, and ongoing maintenance.
* Spearheaded the design and implementation of Azure-based solutions leveraging .NET technologies, including Azure App Service for hosting web applications, Azure Functions for serverless computing, and Azure SQL Database for reliable data storage and management. Ensured seamless integration of these services to deliver robust and scalable applications.
* Orchestrated the development of cloud-native applications by harnessing a wide array of Azure services. Utilized Azure Blob Storage for scalable object storage, Azure Service Bus for asynchronous communication, and Azure Cosmos DB for globally distributed databases, optimizing performance and reliability across diverse workloads.
* Facilitated architectural discussions and provided comprehensive technical guidance to multifunctional teams, ensuring alignment with business goals and project requirements. Leveraged Azure Architecture Center resources and reference architectures to design solutions that adhere to best practices and industry standards.
* Established continuous integration and continuous deployment (CI/CD) pipelines using Azure DevOps, automating build, test, and deployment processes for .NET applications. Integrated Azure Repos for version control, Azure Pipelines for automated builds, and Azure Artifacts for package management, streamlining development workflows and enhancing productivity.
* Implemented robust authentication and authorization mechanisms using Azure Active Directory (AAD), integrating with Azure AD B2C for customer identity and access management. Configured role-based access control (RBAC) policies and Azure AD conditional access policies to enforce security controls and protect sensitive resources.
* Engineered containerized applications using Azure Kubernetes Service (AKS), leveraging Docker containers and Kubernetes orchestration for scalable deployment and management. Implemented Azure Container Registry (ACR) for secure container image storage and Azure Monitor for monitoring and diagnostics, ensuring optimal performance and reliability of containerized workloads.
* Designed and implemented disaster recovery (DR) and high availability (HA) solutions using Azure Site Recovery (ASR) and Azure Availability Zones. Configured ASR replication and failover for critical workloads, leveraging Azure Traffic Manager for global load balancing and ensuring business continuity in the event of disruptions.
* Conducted comprehensive performance optimization and troubleshooting activities, utilizing Azure Monitor and Azure Application Insights for proactive monitoring and diagnostics. Analyzed performance metrics and application telemetry data to identify and resolve performance bottlenecks, optimizing system efficiency and enhancing user experience.

**Environment:** C#, ASP.NET 6, Restful WEB API, Angular 14, SQL Server 2019, Entity Framework, Azure Services, Azure DevOps, HTML5, CSS, jQuery, JavaScript, CI/CD, Docker, Kubernetes, XUnit, MOQ, Agile, GIT, Jira, SSRS, Azure Service Fabric, Azure Kubernetes Service (AKS), Azure API Management, Azure Event Grid, Azure Functions, Azure SQL Database, Azure DevOps, Azure Monitor, Application Insights, Azure Active Directory.

# Client: CVS Health (Aetna), Hartford, Connecticut Aug 2022 – July 2023

# Role: .Net Developer

**Responsibilities:**

* Involved in Developed and maintained web applications using C#, ASP.NET MVC 5, and Razor Pages, adhering to best practices and design patterns.
* Developed RESTful APIs using C# and ASP.NET Web API framework to facilitate communication between client applications and server-side resources.
* Implemented authentication and authorization mechanisms such as JWT (JSON Web Tokens) or OAuth2 to secure C# Web API endpoints.
* Utilized ASP.NET Core Web API to build lightweight and high-performance APIs for .NET applications.
* Integrated Swagger/OpenAPI for API documentation, enabling clear and accessible documentation for developers.
* Implemented versioning strategies for C# Web APIs to ensure backward compatibility and smooth transitions between API versions.
* Designed and implemented data validation and error handling mechanisms in C# Web API controllers to ensure data integrity and enhance user experience.
* Utilized dependency injection and middleware in ASP.NET Core Web API to enhance code modularity and maintainability.
* Implemented caching strategies using technologies like Redis or in-memory caching to improve the performance of C# Web API endpoints.
* Integrated logging and monitoring solutions such as Serilog or Application Insights to track and analyze the behavior and performance of C# Web API applications.
* Developed interactive web applications using React.js, enhancing user experience.
* Built reusable UI components to ensure a consistent and efficient development process.
* Managed application state effectively using React.js features like Context API or Redux.
* Created fast and seamless single page applications (SPAs) with React.js, optimizing performance.
* Implemented responsive design principles and CSS frameworks to deliver visually appealing interfaces.
* Integrated RESTful APIs into React.js applications, providing real-time data to users.
* Ensured cross-browser compatibility and optimized performance for diverse user environments.
* Debugged and troubleshooted React.js applications efficiently, ensuring smooth operation.
* Collaborated with team members using Git and GitHub for version control and code management.
* Utilized CI/CD pipelines for continuous integration and deployment of React.js applications, ensuring rapid updates and feature delivery.
* Enhanced user experience with dynamic and asynchronous interactions using JavaScript and Ajax within .NET applications.
* Leveraged ViewPages and Razor syntax to build dynamic server-side rendering components and layouts.
* Utilized JSON for data interchange between client-side and server-side components, ensuring efficient communication.
* Managed relational databases, including SQL Server, for data storage, retrieval, and manipulation in .NET applications.
* Integrated version control using Git to collaborate effectively with team members and track code changes.
* Utilized Entity Framework for ORM (Object-Relational Mapping) to interact with the SQL Server database, reducing development time and ensuring data consistency.
* Leveraged LINQ (Language Integrated Query) extensively to perform complex data queries, transformations, and aggregations within C# applications, improving code readability and maintainability.
* Employed LINQ to SQL for efficient database interactions, reducing manual SQL querying and improving database performance.
* Proficient in writing stored procedures, triggers, and functions in SQL Server to handle database operations efficiently and securely.
* Experienced in optimizing SQL queries, indexing database tables, and implementing database performance tuning techniques to enhance application responsiveness and scalability.
* Familiarity with database design principles and normalization techniques, ensuring data integrity and minimizing redundancy in database schemas.
* Collaborated with database administrators (DBAs) to optimize database performance, troubleshoot performance issues, and implement database maintenance tasks.
* Conducted unit testing and integration testing using tools like NUnit and MSTest to identify and resolve software defects early in the development lifecycle.
* Utilized AWS services such as EC2, S3, and RDS to deploy and manage scalable and reliable .NET applications in the cloud.
* Implemented AWS Lambda functions in conjunction with .NET Core to build serverless microservices and event-driven architectures.
* Integrated .NET applications with Amazon DynamoDB for NoSQL database storage, leveraging its flexibility and scalability.
* Configured and managed AWS Elastic Beanstalk environments to deploy and scale .NET applications with ease.
* Utilized AWS CloudFormation to automate the provisioning and management of AWS resources for .NET projects.
* Implemented security best practices on AWS, including IAM roles and policies, to ensure secure access to resources.
* Utilized AWS CodeDeploy and AWS CodePipeline to automate the deployment process for .NET applications, enabling continuous integration and delivery.
* Implemented monitoring and logging solutions using AWS CloudWatch to track the performance and health of .NET applications running on AWS.
* Utilized AWS SDK for .NET to integrate .NET applications with various AWS services programmatically.
* Leveraged AWS Identity and Access Management (IAM) to manage user access and permissions for .NET applications deployed on AWS.

**Environment:** C#, Web API, NET MVC 5, JWT, HTML 5, CSS3, JavaScript, Bootstrap, Ajax, ViewPages, JSON, Sql Server, Git hub, AWS Services.

# Client: Cognizant, Bangalore, India Sep 2017 – Aug 2022

# Role: .Net Developer

**Responsibilities:**

* Product development is an Agile (SCRUM) methodology, where progress and task assignments are discussed in everyday meetings.
* Developed and maintained scalable web applications using ASP.NET MVC 4.0 framework, ensuring robust performance and user-friendly interfaces.
* Utilized C#.NET to implement backend functionalities, including business logic and data manipulation, optimizing application responsiveness.
* Implemented secure authentication and authorization mechanisms using JWT (JSON Web Tokens), enhancing application security standards.
* Conducted code reviews and implemented best practices for code quality using SonarQube, resulting in improved maintainability and reliability of applications.
* Designed and optimized SQL Server databases, improving data retrieval efficiency and minimizing query response times for SSRS and SSIS solutions.
* Created interactive and insightful reports using SQL Server Reporting Services (SSRS), facilitating data-driven decision-making for stakeholders.
* Developed ETL (Extract, Transform, Load) processes using SQL Server Integration Services (SSIS) to automate data workflows and streamline data integration.
* Managed version control and collaborated effectively with teams using Git, ensuring codebase integrity and smooth deployment processes.
* Practiced Agile methodologies to drive project delivery, participating in sprint planning, daily stand-ups, and retrospectives to deliver high-quality software.
* Implemented responsive front-end interfaces using Razor Pages, jQuery, Ajax, Bootstrap, HTML, and JavaScript, delivering engaging user experiences across devices.
* Leveraged AWS services for cloud-based application deployment, storage, and scalability, optimizing application performance and availability.
* Optimized client-side performance by leveraging jQuery and Ajax for asynchronous data retrieval, enhancing user interactivity and responsiveness.
* Enhanced user interfaces with Bootstrap and custom CSS, ensuring consistent branding and modern design aesthetics.
* Collaborated with cross-functional teams to gather requirements, analyze technical feasibility, and deliver solutions aligned with business objectives.
* Contributed to continuous improvement initiatives, identifying areas for optimization, and implementing solutions to enhance development workflows.

**Environment**: ASP.NET MVC 4.0, C#.NET, SonarQube, SQL Server, SSRS, SSIS, Git, Agile, JWT, Razor Pages, jQuery, Ajax, Bootstrap, HTML, JavaScript, AWS Services.

# Client: Bank Of America, Bangalore, India Jun 2016 - Aug 2017

# Role: .Net Developer

**Responsibilities:**

* Collaborated Developed and maintained web applications using Web Forms, C#.NET, and SQL Server, ensuring high performance and reliability.
* Implemented SonarQube code analysis to improve code quality and identify potential issues early in the development cycle.
* Utilized Git for version control, ensuring efficient collaboration and code management within Agile teams.
* Integrated jQuery and Ajax for dynamic and responsive user interfaces, enhancing user experience and interactivity.
* Designed and implemented responsive front-end layouts using Bootstrap, ensuring cross-browser compatibility and mobile responsiveness.
* Collaborated with stakeholders to gather requirements and translate them into technical solutions using HTML, JavaScript, and jQuery.
* Optimized SQL Server queries and database design to ensure efficient data retrieval and manipulation in web applications.
* Actively participated in Agile ceremonies such as daily stand-ups, sprint planning, and retrospectives to deliver features iteratively and adaptively.
* Deployed applications and services to Azure, leveraging various Azure services such as App Services, Azure SQL Database, and Azure Storage.
* Implemented security best practices within applications, including authentication and authorization mechanisms.
* Enhanced application performance through code optimization and performance tuning techniques.
* Conducted code reviews and provided constructive feedback to team members to ensure code quality and consistency.
* Worked closely with UX/UI designers to implement design specifications and deliver intuitive user interfaces.
* Maintained and updated legacy systems, refactoring code as necessary to improve maintainability and scalability.
* Documented technical specifications, system architecture, and deployment processes for reference and knowledge sharing within the team.

**Environment**: Web Forms, C#.NET, SonarQube, SQL Server, Git, Agile, jQuery, Ajax, Bootstrap, HTML, JavaScript, Azure Services.

# Client: Life Insurance Corporation, Bangalore, India Jun 2014 – Mar 2016

# Role: .Net Developer

**Responsibilities:**

* Collaborated with business analysts to understand/analyze business requirements and develop detailed technical design and UI designs.
* Involved in developing the requirement with VB.NET and WCF in .Net Technologies, Unit testing, and release management.
* Implemented and Consumed Web Services using WCF.
* Wrote well-tuned stored procedures, functions, and views to access and store data in the database.
* Used ADO.NET in the data access layer to communicate with the SSRS Server database.
* Used ADO.NET objects such as Data Reader, Data Adapter, and Data Set to object data source fetch and handle user data.
* Used n-tier architecture (UI, Business Logic Layer, and Data Access Layer).
* Responsible for writing the LINQ- SSRS queries to process and retrieve the objects.
* Team Foundation Server (TFS) is used for maintaining the version control of the code actively involved in updating the TFS tasks daily.
* Worked closely with users to troubleshoot and investigate reported issues. The issues may range from UI, AWS
* Stored procedures, and defined Functions on MS SSRS Server 2014.Created SSRS Procedures for the SSRS Server using T-SSRS for database operations.
* Worked with ASP.NET MVC 4.0, ReactJS, WPF, Partial Views, AWS, and Master Pages and developed Cascading style sheets (CSS3) for the steady look and feel of the website.

**Environment**: .Net Framework 4.0, .Net. SOAP, windows 8, Microsoft Visual Studio 2012, SSRS Server 2014, HTML, XML, LINQ, Java Script, JQUERY, JSON, Bootstrap, Azure, Web Services (REST, SOAP, WSDL),

CSS, SSIS, Reporting Services (SSRS), Agile, Team Foundation Server (TFS), Share Point.,

**EDUCATION**

Visvesvaraya Technological University, Belgaum, India

**Bachelor’s in Computer Science and Engineering**