**DURGA NARESH**

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**Professional Summary:**

I have around 13 years of professional experience and worked on diverse roles like Sr. Software Engineer (Dot net), Cloud Engineer (Azure), DevOps Engineer and Application Support Engineer. Expertise in designing, developing and implementation of Client Server, Web based, Cloud based and Enterprise Applications for the Banking, Insurance, Logistics, and E-commerce industries.

**Core Competence and Area of Expertise:**

* **.NET Developer** in analysis, design and implementation of web based, windows-based client-server applications in Microsoft Technologies using **Dotnet Core, MVC, C#,** **VB, Classic ASP,** **ASP.NET**, **ADO.NET, WinForms**, **SQL Server**, **Oracle**, **Web Services**, **GraphQL**, **VMWARE, Windows Services,** and **Crystal Reports**.
* .**NET Core MVC**: Proficient in developing cross-platform web applications using .NET Core MVC, focusing on modular architecture, clean separation of concerns, and strong adherence to the Model-View-Controller pattern.
* **CQRS Pattern**: Experienced in implementing CQRS architecture to enhance scalability and maintainability in complex applications by segregating command and query operations. Familiar with eventual consistency and event sourcing.
* **Bootstrap** 5: Proficient in creating responsive, mobile-first web designs using Bootstrap 5. Skilled in utilizing its grid system, utility classes, and built-in components to develop modern, user-friendly interfaces. Familiar with customizing Bootstrap themes and integrating it with frameworks like .NET Core MVC.
* Having exposure to and involvement in different phases of the Software Development Life Cycle (**SDLC**), testing, deployment, installation and user training of software and database design.
* Experience with Object Proficient in building Web Applications using **HTML5**, **XML**, **AJAX**, **JavaScript** (jQuery, **Angular**), **Bootstrap** and **CSS** in a Client/Web Server environment.
* Oriented Programming (**OOP's**) methodologies, Design Patterns including Model View Controller (**MVC**) and their implementation using polymorphism, inheritance, and encapsulation.
* Expertise in developing **Master Pages**, **CSS** to separate content of document from its presentation, **JavaScript** to perform Client-side validation and **AJAX** to develop interactive web applications.
* Developed **Stored Procedures**, **Triggers** and development of Database Objects using **PL/SQL**, **T-SQL** in **SQL Server**.
* Experience in **Software Configuration Management** (Daily Build, Release, and testing methodology) Using tools like Azure DevOps Team Foundation Server (**TFS**), Microsoft Visual Source Safe (**VSS**) and **GitHub**.
* Involved in **Unit Testing** and created test cases using testing tools including **N-Unit**.
* Experience in developing the data access components using **ADO.Net** Objects and ADO.Net **Entity Framework** Components with **LINQ** to Entity Queries.
* Experience in Client-Side **debugging** tools such as **Firebug** and **SOAP UI**
* Strong knowledge of object-oriented concepts and experience working with languages like **C#**, C++, and Java.
* Developed **ASP.NET MVC 4** applications using Code First Approach in Entity Framework 4 and UI in **Razo**r **View Engine** and have experience with the **MVC Architecture**.
* Used RESTful Web Services (Web API) as a service approach and Entity Framework as ORM tool.
* Designed the Entities, business objects and implemented Web **API RESTful** service methods using Entity Framework.
* Implemented Dapper Micro ORM methods for Data Access.
* Proficient in writing shell scripts using Bash to automate routine tasks and streamline workflow on **Linux systems**.
* Experienced in writing complex **shell scripts** to perform system maintenance, file operations, and data processing.
* Skilled in utilizing Linux command-line utilities and tools to create efficient and effective scripts for system automation.
* Familiar with **scheduling and managing cron jobs** to automate script execution at specified times and intervals.
* Optimized Entity queries in Production to fix Timeout issues.
* Used RESTful Web Services (Web API) as a service approach and Entity Framework as ORM tool.
* Implemented complex and optimized complex logic entity framework queries to fetch and save the data. Optimized the Entity Framework queries for Mobile Development.
* Designed and Implemented **Web API** Service, validations in Middle tier.
* Experienced in **optimizing SQL queries** for improved performance and efficiency.
* Writing **Stored Procedures** and User Defined Scalar Functions (UDFs) to be used in the **SSIS** packages SQL Scripts.
* Used **SSIS** to manipulate data to integrate the SQL Server database into larger processes.
* Designed and Developed reports using **SSRS**. Reports were developed against a variety of data sources which included **SSRS**.
* Created **LINQ** enabled database layer using **API** such as **LINQ** to **SQL** and **Entity Framework**.
* Experience in deployment using **IIS** Application Servers.
* Experience in creating SPA pages with **AngularJS**.
* A Good team player with excellent communication and inter-personal skills with a positive attitude towards work, loyalty towards time schedules for worthful delivery.

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| Languages | C, C#, .NET 3.5/4.0, VB.NET, XAML, JavaScript, jQuery, Angular 4, Bootstrap, Web Services, WCF, Remoting, Win Forms, Web Forms, SQL, T-SQL |
| .NET Technologies | Asp.net (5.0/4.0/3.5/2.0/1.1), MVC, MVVM, Entity Framework, Identity, WebForms, Web Controls, Custom Controls, User Controls, Web Services, Ajax, ADO.net, WCF |
| Web Technologies | ASP.NET CORE, HTML5, CSS3, Java Script, JQUERY, XML, JSON, XAML, Angular JS, Ajax, Web API, Boot Strap. |
| Database Technologies | SQL Server (Stored Procedure, Triggers, User Defined Functions, Views), MS Access, T-SQL, PL/SQL, MySQL, SQL Server client management studio, MongoDB, Oracle 10g/9i/8i,Snowflake. |
| Development Tools | Microsoft Visual Studio 2005, 2010, 2013, Eclipse |
| XML Technologies | XML, XHTML, SOAP, WSDL, GraphQL,Web Services |
| Software/Tools | Jenkins, Docker, Kubernetes |
| Modelling Tools | UML, Design Patterns, MVC |
| Cloud | Azure, AWS |
| Testing Tools | MS-Test, xUnit, Visual Studio Unit Test. |
| Version Control Tools | Visual Source Safe (VSS), Team Foundation Server (TFS), VSTS, GIT |
| Designing Tools | Visio, Dream Weaver, Flash 5.0, Adobe Photoshop CS5, Flex builder 4 |
| Databases | Microsoft SQL Server 2008/2012/2018, R2, Oracle 10g,Teradata |
| Packages | MS Office 2007, 2010, 2016. |
| Operating Systems | Windows XP, Vista, 7, Linux (Ubuntu)/UNIX. |
| Tools | SQL Server Reporting Services, Redis, PostgreSQL, OData, RDF Crystal Reports (2010/9/8.5/8), SQL Server Integration Services, UML,MS Visio, SharePoint, Visual SourceSafe, SubVersion, Team Foundation Server,Delphi, Adobe Experience Manager, GIT |

**TECHNICAL SKILLS:**

**Project Details:**

**Client: Illinois state board of Education, IL Mar 2024 – Present**

**Full Stack Developer| Lead Dot Net Developer**

* Develop ASP.NET Core intra/internet application using MVC, Entity Framework, Web API, Identity Core, OAuth, OpenID with Angular, ReactJS and Bootstrap5 as Front end.
* Played a major role in application design, requirements gathering, architecture, and then develop and implement it in C# as per business requirement and maintain the software application.
* Implement ASP.NET MVC application using C#, JavaScript, jQuery, Angular and HTML.
* Strong experience in implementation of Object-Oriented Languages (OOPS), Object Oriented Application Development (OOAD), Relational Database (RDMS).
* Major role in server Configurations and server migrations for IIS latest web server, deployed applications on the web servers and have taken care of server configuration issues.
* Skilled in designing and implementing stored procedures for automating repetitive tasks and enhancing database functionality.
* Developed stored procedures for data validation, business logic implementation, and data aggregation.
* Designed development of presentation layers using HTML, CSS, JavaScript, and Angular UI for web pages and made use of data controls data grid, data list and repeater controls throughout the application to display data in a customized format in the web pages.
* Documented functional and technical design specifications for business scenarios involving complex business workflow.
* Migrated the web servers that we deployed web application on and maintained the certificates on the server.
* Followed various authentication methods and techniques while coding and connecting to database to secure claimant’s SSN’s and personal data.
* Design and build REST API using Web API framework and C# for save data from externals applications and used Entity Framework and LINQ (LINQ to SQL and LINQ to XML) to access databases.
* Worked with multiple databases SQL and DB2 and maintained several jobs that sync up claimant data from SQL to DB2 every night.
* Migrating live application in the Azure cloud.
* Practiced best coding techniques to maximize code reusability and make code more understandable and implemented better SQL, DB2 queries to improve application performance.
* Experience with TFS Repository for version control and migrated from TFS to VSTS to maintain code and have it easily handled.
* Worked with RESTful API’s, design patterns (MVC5), MVP, MVVM, Code first initial developments, Ajax controls and N-tier architecture.
* Used jQuery UI to build accordion style content, drag and drop functionality, calendar, popup and modal windows.
* Worked on agile methodology to meet timelines with quality deliverables.
* Participated in scrum/agile meetings to update the status of application development.

**Environment:** VisualStudio.NET 2019, WebAPI, Agile, jQuery, CSS Entity framework, ASP.NET, C# .NET Framework 4.5/4.8, VB.net, XML, HTML5, ASP.NET MVC, TFS, VSTS, Three Tier Architecture, SQL SERVER 2014, SSIS, IIS 7.5, JavaScript, jQuery, Windows Server.

**DHL IT Services, OH Jan 2020 – Dec 2023 Lead Application specialist / .Net Lead**

* Involved in Sprint planning sessions and participated in the daily Agile SCRUM meetings.
* Knowledge on Rational Unified Process Methodology.
* Stay updated with the latest advancements in GraphQL and actively contribute to the development community.
* Designed and developed new features for the application using C# within .NET framework.
* Developed web pages using ASP.NET MVC 5, Entity Framework 6, C#, HTML5, Angular, Bootstrap, CSS3, JavaScript, jQuery, React with Redux, SQL Server 2016, LINQ, XML and SQL Server Reporting Services (SSRS).
* Implemented ASP.NET MVC 5 strongly typed views, partial views and attribute routing.
* Used Reflection in C# to invoke the methods dynamically.
* Reducing manual work by writing shell scripts to fix consistent issues and get reports.
* Deployment and Support Applications on Linux Environment Set up and maintain Linux-based servers.
* Troubleshoot issues related to Linux servers and applications.
* Developed and optimized stored procedures for use in SSRS reports, ensuring efficient data retrieval and processing.
* Configured and monitored SQL jobs to run at scheduled intervals, ensuring timely generation and delivery of reports.
* Proficient in database backup and restoration procedures to ensure data integrity and continuity in case of system failures.
* Implemented data validation and error handling in stored procedures to enhance data accuracy in SSRS reports.
* Developed the business layer with LINQ to Objects and LINQ to SQL.
* Used ASP.NET Web API and worked with different Http verbs such as Get, Post, Put and Delete and returned JSON format.
* Implemented JWT Token based authentication to secure the ASP.NET Web API and provided authorization to different users.
* Worked on automation and Deployment using configuration Management tool like Chef to provision amazon AWS.
* Implemented Data Access Layer (DAL) of Web API using Entity Framework 6.
* Used Swagger to test ASP.NET CORE WEB APIs.
* Used Auto Mapper to map the data transformation objects (DTOs).
* Worked with advanced concepts of ASP.NET MVC 5 such as Models and Providers, Filters
* Created a repository and Unity of work patterns for accessing the database objects.
* Used SOLID principles for designing the applications.
* Worked on creating the stored procedures at various needs of the application.
* Involved in Azure Infrastructure Management (Azure web role, Worker role, SQL Azure, Azure Storage).
* Worked on Queues, Blobs, and Containers to persist data on Azure.
* Installed NodeJS package as a dependency to work with ReactJS.
* Worked on cross browser web application using ReactJS with Redux, Redux Forms, ES6, HTML5, Sass and bootstrap.
* Experience on Working with React Router for developing Single Page Applications (SPAs).
* Worked on using ReactJS components, Forms, Events, and Router.
* Used Team Foundation Server (TFS) for the version control for check-in, branch merging and creating build definitions.
* Deployed code in various environments such as Dev, QA and Prod.
* Created a console application to obfuscate the data by using C#, ADO.NET and Faker NuGet package.
* Created Unit test cases by using MOQ framework to test the code that was developed.
* Handled the production issues and UAT sessions effectively.
* Worked on windows batch jobs by using TIDAL.
* Worked on the implementation of Windows Service that processes the records at a specified time from Production.
* Configured report server and report manager scheduling, worked on giving permissions to different level of users in SQL Server Reporting Services (SSRS).
* Deployed and schedule Reports using SSRS to generate all daily, weekly, monthly, and quarterly Reports.
* Created twelve single-page, secure responsive web application to replace a legacy line-of-business web application.
* Performed code review, worked close to team members to ensure consistence to code standards.
* Designed and developed tool for recruiters that helps in hiring process (Resource Management) using C#.NET, ASP. Net MVC and deployed into App Service in Azure.
* Utilized Azure SQL Server for storing the data related to the recruitment and Wrote Efficient queries and stored procedures that saved the manual efforts of cleaning the data and efficient data handling and sanitized data.
* Implemented Angular Service calls using Angular Factory.
* Prototype concept using ASP.NET core and EF7 model first to replace current Access apps.
* Design and develop Web Applications using ASP.NET MVC 5 and C# that are used by internal users.
* Worked with ASP.NET Web Forms, Web Services, and State Management, caching features, configuring optimizations, and securing the web application.

**Environment:** Visual Studio 2012/2017/2019, Visual Studio Code, C#, VB.NET, VB6, ADO.NET, Entity Framework, SQL Server 2016, ASP.NET MVC 5, HTML5, CSS3, JavaScript, Angular, Bootstrap, ReactJS, Redux, Microsoft Azure, RESTful services using ASP.NET WEB API, ASP.NET CORE, Swagger, Windows Service, VSTS, TFS, AWS.

**DHL IT Services, OH Mar 2017 – Jan 2020**

**Senior Application specialist**

* Requirements Gathering & Analysis: Collaborated with end-users to understand their needs, documented business requirements, and participated in creating high-level and low-level design documents.
* AngularJS Development: Built user-facing features using AngularJS within the .NET environment, ensuring optimal performance, responsiveness, and compatibility across different browsers.
* Production Support & Enhancements: Resolved production issues, implemented enhancements to existing live modules, and utilized reactive forms in AngularJS for robust form validation. Dependency Injection Expertise: Configured the AngularJS dependency injection framework effectively by registering dependencies, defining injection rules, and establishing seamless integration between components.
* Writing Software Requirement Specifications & Test cases, Object Oriented Analysis and Design (OOAD) using UML with Microsoft Visio.
* Minimally Disruptive Deployments: Designed, executed, and supported deployments with minimal impact on the production environment. .
* NET Application Enhancements: Supported and enhanced existing Microsoft .NET applications based on customer requests.
* Developed an Azure-based high-performance compute environment to support the massive computational requirements of client congressional redistricting Azure application.
* SQL Server Expertise: Proficient in writing stored procedures, functions, triggers, queries, and indexes using SQL Server
* (2008,2012, and 2019).

**Hewlett Packard (HPE), Malaysia Aug 2016 - Dec 2016**

**Senior Software Developer**

* Conducted thorough business requirement analysis through direct engagement with end users to comprehend and document requirements effectively.
* Utilized Microsoft .NET Technologies for analyzing, developing, and implementing projects.
* Proficient in debugging and troubleshooting applications to ensure smooth functionality.
* Implemented version control using GitHub for effective management and tracking of code changes. Managed the seamless implementation and testing of applications on client servers to guarantee successful deployment.
* Successfully handled production issues and executed enhancements for existing live modules to improve overall system performance and user experience.

**Datacom, Malaysia Aug 2014 – Aug 2016**

**Senior Software Developer**

* Gathered and documented business requirements through interaction with end-users.
* Developed web applications using ASP.NET MVC, C#, jQuery/AJAX, Entity Framework, and Bootstrap.
* Designed and managed databases, tables, and SQL operations during development.
* Proven track record of maintaining database integrity and security through effective use of SQL and stored procedures.
* Familiarity with best practices for database management and data modeling using SQL and stored procedures
* Utilized views, stored procedures, and complex queries in SQL Server 2012 effectively.
* Provided production support, resolving issues and enhancing existing modules.
* Managed tickets for BMG application projects and worked on multiple UCRs.
* Debugged code, performed performance tuning, and implemented automated email sending with SQL Jobs.
* Participated in all testing phases (unit, SIT, UAT, production) and created SSIS packages and SSRS reports.

**Avow Technology Solutions, India Aug 2013 – Jun 2014 Software Developer**

* Conducted thorough business requirement analysis by engaging with end users to comprehend and document requirements effectively.
* Participated in the preparation of both High-Level and Low-Level design documents.
* Successfully managed numerous production issues and executed enhancements for existing live modules.
* Worked on multiple User Change Requests (UCRs) to accommodate evolving project needs.
* Developed SSIS Packages to facilitate data integration and processing tasks.
* Created PDF and MS Word documents using ITextSharp library.
* Generated SSRS Reports to provide comprehensive data analysis and reporting functionalities.

**Nissan Motor Holdings Berhad company, India Mar 2011 – Jul 2013**

**Software Developer**

* Possesses extensive understanding of the Software Development Life Cycle (SDLC) and adept at reporting skills.
* Skilled in creating User Controls, Master pages, and implementing JavaScript validations for enhanced user experiences.
* Experienced in implementing Ajax functionalities tailored to meet specific user requirements.
* Proficient in SQL Database administration, including creation of tables, stored procedures, and functions.
* Creating and customizing SSRS reports to display data from databases in a visually appealing and user-friendly format.
* Skilled in designing and implementing stored procedures to support SSRS report data retrieval and manipulation.
* Scheduling and managing SQL jobs to automate routine database maintenance tasks and report generation processes.
* Successfully managed numerous production issues and executed enhancements for existing live modules.
* Accountable for analyzing module requirements and implementing necessary solutions to fulfill those requirements.

**Certifications**

* Microsoft Certified Application Developer in MVC
* Microsoft Azure Fundamental
* Azure Administrator Associate

**Education:**

Bachelor of Engineering in Electrical and Electronic in Osmania University.