**Achyuth Reddy Chamakura**

**Lead .NET Developer**

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**PROFESSIONAL SUMMARY:**

* 11+ years of IT experience in Analysis, Design, Development, Implementation, Testing, and Maintenance of Client-Server and Backend and **Web-Based Applications** using **N-tier Architectures** with Microsoft technologies, following **Agile/Scrum development methodologies.**
* Experience in all stages in **SDLC** including gathering requirements, software design, and development and testing/support using Microsoft Technologies.
* Experience in developing applications under **.NET Framework** like **Asp.Net Core WebAPI** using **Full Stack ASP.Net, C#, SQL Server, MySQL, ORACLE, WCF Services, Web API RESTful Services.**
* Experience in Implementing **View, Model, Controller,** and **View model** by using **ASP.Net MVC Framework 6.0.**
* Experience in designing User Interfaces using **AJAX, HTML, CSS, XML, JQUERY, React, React JS ANGULAR 16/15,** **ANGULAR JS** and other Third-party Controls (Telerik Controls) to enhance the performance, looks, and features of the website.
* Developed applications using design patterns like **MVVM, MVC 3/4, Abstract Factory, and Singleton.**
* Excellent experience working with Onion architecture, MVC architecture, multitier architecture, SOA and Microservices architecture and testing web applications using MS test, MOQ framework and XUnit.
* Experience with **Sitecore application setup**, Front end, Back-end development, package deployment, Multithreading and admin activities.
* Demonstrated proficiency in leveraging object-oriented analysis, design, and programming principles to develop efficient and maintainable software solutions.
* Experience in building highly **Mobile Responsive** Design websites with **Sitecore CMS**.
* Experience working with Windows Communication Foundation **(WCF), WebAPI 2 in .NET 7.**
* Used **Microservices architecture-based** services interacting through a combination of **REST** and leveraging **AWS** to build, test, and deploy Identity Microservices.
* Demonstrated proficiency in leveraging a wide range of **AWS** services, including **Amazon EC2**, **S3**, **Lambda**, **RDS**, **DynamoDB**, **SNS**, **CloudWatch**, IAM.
* Experienced in developing **REST APIs** using **ASP.NET Web API 2** and collections handling **HTTP** **requests** and sending **HTTP** responses with serialized **JSON data**.
* Extensively worked on **WCF** and **Web Services** to provide **SOA architecture** and Configuration-based activation applications on **SOAP** and **REST** protocols.
* Expertise in **Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Azure Monitoring, Key Vault, Visual Studio Online (VSO)** and **SQL Azure**
* Worked extensively with **ADO.NET Entity Framework**, **ADO.NET** objects such as Data Adapter, Dataset, and Data Reader to interact with databases like **SQL Server, PostGRE SQL, MySQL,** and **Oracle providers.**
* Experience integrating data using SSIS and developing Custom Reports using **SSRS**.
* Extensive experience with NoSQL databases like **MongoDB, Cassandra, Redis, and DynamoDB.**
* Implemented robust security measures integrating OAuth2 for secure authorization, SSL for encrypted communication, and JWT for efficient and token-based authentication.
* Played a pivotal role in the adoption of **CI/CD pipelines** using Azure DevOps, streamlining the development process, and automating deployments.
* Expertise in using version controls like **GIT**, **TFS**, and **SVN**.
* Experience in using Message queues like **MSMQ** and **RabbitMQ**.
* Experience in deploying, configuring, and maintaining **Web Applications** and **Services on IIS 7.0/6.0.**
* Unit test application using **Karma** and **Jasmine**.

**Education Details:**

**Bachelor of Technology (Information Technology)**

Jawaharlal Nehru Technological University (JNTUH), India **2013**

**TECHNICAL SKILLS:**

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| **Programming Languages** | C#(10.0/9.0/7.0), HTML5, CSS3, T-SQL, PL/SQL. |
| **Web Technologies** | Full Stack, ASP, ASP.NET Web Forms,VB.net,Microservices, ASP.NET MVC 5.0/ 4.0/3.0, ASP.NET WebAPI2, MVVM, AJAX, Javascript, Jquery, React JS, Sharepoint, Silverlight, Sitecore, Web Services, and WCF. |
| **Javascript Libraries/Frameworks** | NodeJS,Jquery, AngularJs, Angular 16 |
| **Responsive Design** | Bootstrap. |
| **XML Technologies** | XML, XSLT, XPATH, and XSL. |
| **Message Format** | JSON, XML. |
| **Windows App Technologies** | Win Forms, WPF. |
| **IDE Tools** | Visual Studio 2019/2017/2015, SQL Server Management Studio. |
| **.Net Frameworks** | .Net Framework 4.8/4.7/4.6.1/4.5, .Net Core 3.0, .NET 7.0, .Net Nuke DNN |
| **Databases** | MS SQL SERVER 2019/2016/2014/2010/2008, MSAccess 2010/2007, Oracle 10g/9i, MySQL and MongoDB. |
| **Cloud Technologies** | AZURE(Azure App Service, Azure SQL Database, Azure DevOps for CI/CD, Azure Active Directory, Azure Cosmos DB), AWS(AWS Lambda, Amazon S3,AWS EC2) |
| **Reporting Tools** | SSRS 2014/2008/2005, Crystal Reports (2010/9/8.5/8). |
| **ETL Tools** | SQL Server Integration Services (SSIS 2008/2005). |
| **Modeling Tools** | UML, MS Visio 2010/2007. |
| **Web Services** | SOAP,RESTful services |
| **VersionControl Tools** | SVN, Team Foundation Server(TFS 2015), GIT, and FileNet. |
| **Middleware** | Web Services, WCF, ADO.NET, ADO.NET Entity Framework and Core |
| **SDLC Methodology** | Agile ,Waterfall |
| **Testing Frameworks** | Karma, Jasmine |
| **Servers** | Windows Server 2008/2003/NT, Microsoft IIS(7.0/6.0/5.0) |

**PROFESSIONAL EXPERIENCE:**

**Client: Centene Corporation, St Louis, MO Sept 2022 - Present**

**Role: Lead .NET Full Stack Developer**

**Responsibilities:**

* Followed **Agile** Methodology, designed and developed applications using **Visual Studio 2019, .NET 6.0, C# 9, ASP.NET MVC 5** with Entity Framework 6, **SQL Server 2019, MySQL,** and **LINQ.**
* Designed, developed, and unit tested applications using ASP.NET, C#, MVC 5, WCF, MS SQL Server 2019, Entity Framework, AngularJS, HTML, CSS in Visual Studio 2019, ensuring comprehensive documentation and library maintenance.
* Designed and developed business logic with C#, ADO.NET, **Entity Framework**, and **Angular (versions 14 to 16),** integrating multithreading, collections, **Material Design**, and **SQL Server 2019** in Visual Studio 2019 environment.
* Involved in coding and designing using **C#, XML, ADO.NET, WCF, JAVASCRIPT, AngularJS, Underscore JS, jQuery, HTML,** and **cascading style sheets (CSS).** Upgraded .NET MVC application to **.NET 6**.
* Led successful migrations of legacy applications to .NET Core, designed and developed **Microservices architecture**, and implemented **RESTful APIs**, logging, and monitoring for enhanced scalability and system performance.
* Designed and implemented the application using **Microservices Architecture** for its various distinct advantages like loose coupling and design patterns.
* Developed powerful **Single Page Applications** and **dynamic responsive Web Applications** using **Angular (versions 14,15,16)**, integrated with .NET Core 6 migration, **Angular Material**, **Angular Routing**, **Azure IaaS**, and **MongoDB** for enhanced scalability and performance.
* Extensively worked in **Entity Data Model** for implementing Business logic and Data Layer using Entity Framework **6.0.**
* Implemented Sitecore MVC design pattern for developing the Web Application using MVC 4, 5.
* Built templates from scratch, gathering all the functional specifications from the Marketing team.
* Created and implemented custom workflows for Sitecore.
* Created custom Sitecore workflow to authorize the content as per the business team.
* Extensive use of Sitecore API for various tasks, and prepared Sitecore Helper class for all common Sitecore operations.
* Hosted web applications on Azure Web Sites
* Worked with **Oracle 19c/21c** for data management i.e., for data updating, data deleting, and entering new data.
* Experience in writing, testing, and implementing of the **PL/SQL** triggers, stored procedures, Functions, and packages.
* Developed **WCF** **services** for both Desktop and mobile applications.
* Strong experience with **CI/CD** tools **Azure Devops** and GitHub Actions to deploy the applications.
* Experience in Designing, planning and creating, and managing **Azure virtual machines** and virtual networks, backups, AD Tenants, applications integration with **Azure Active Directory**.
* Worked on **Azure Devops** (Visual Studio Team Services) to manage a backlog for the daily activities.
* Experienced with common tools **like Git Bash, Git Extensions, Source Tree, Visual Studio 2019, Visual Source Safe and TFS.** Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Worked extensively on **TELERIK UI (Kendo UI)** controls. Implemented bootstrap menus, buttons, and other controls.
* Used the **Kendo UI controls** for more robust requirements. Controls used such as grid, panel, date picker, combo box, validation, dropdown Autocomplete, etc. throughout the application.
* Developed single page applications (**SPA) in Angular 16, Typescript, Bootstrap**
* Migrated the application from **IaaS** to **PaaS** by converting the existing solution to a Windows **Azure** Worker Role. Integrate **Azure Cloud PaaS** Application server for running scheduler tasks.
* Deployed applications and services to Microsoft Azure, leveraging various Azure services for scalability, security, and high availability and utilized Docker for containerization, enabling consistent deployment and scalability across different environments.
* Implemented Azure Functions, a serverless compute service, for event-driven and scalable backend processing.
* Integrated Azure Key Vault for secure storage and management of application secrets and credentials.
* Sound experience in Azure API Management and Integrated existing API's to Azure API management to get all the attributes like security, usage plans, throttling, analytics, monitoring, and alerts.
* Developed **Restful web services** using Windows Communication Foundation and **WebAPI.**
* Integrated **MongoDB** 5 for flexible data storage and designed **RabbitMQ** based message queuing for scalable, asynchronous communication in .NET applications.
* Implemented a **CI/CD** pipeline using **Azure DevOps** (VSTS, TFS) in both cloud and on-premises with GIT, MS Build, Docker, Maven along with Jenkins plugins.
* Implemented **JWT** token-based authentication to secure the **ASP.NET Core Web API** and provide authorization to different users. Used Team Foundation Server **(TFS)** for version control of the source code
* Implemented automated testing using frameworks like XUnit and Jasmine for unit testing both back-end and front-end components.

**Environment:** .Net 6.0, C# 9.0/6.0, ASP.NET MVC, GRE, Entity Framework, Azure, LINQ, Angular 14/15/16, JavaScript, Ajax.Net, jQuery, Web-API, SOA, PL SQL, HTML, SQL Server 2019, Visual Studio 2019, Azure, Web Services.

**Client: Broadridge, Newark, NJ July 2020 - June 2022**

**Role: Senior Full Stack .NET Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle (SDLC) including Analysis, Design, Implementation, Testing, and Maintenance following Agile Scrum.
* Developed standard and decoupled code using Design Patterns - **MVP, MVVM, Singleton, Factory**, and concepts like Dependency Injection**, IOC, Lambda Expression,** and **Delegates** (Inversion Control).
* Implemented **ASP.NET WebAPI** 2 for efficient RESTful services with JSON, facilitated MVC and **Sitecore CMS changes**, managed deployment via DevOps CI processes, and designed ASP.NET applications with WCF-based web services and Sitecore modules.
* Created modules using AngularJS Controllers, Directives, and Services, making use of Modules and Filtering objects according to the application requirement.
* Implemented **service-oriented architecture (SOA**) Layer using **C#.Net 4.6/ 4.7, .NET Core** and **WCF** to decouple the **UI** with BL.
* Worked with **Windows Azure** Worker Roles and Web Roles. Worked with **Azure** **Table Storage, Queue Storage, Service Bus, and Blob Storage.**
* Designed modular and reusable **Angular** components for SPA development and Implemented share models to interact with RESTful API’s.
* Designed a brand-new solution with Angular 10, Angular-CLI, SCSS Mixing, Angular 10 Form, Angular 10 Route, Angular 10 Animation, RxJS Observables, SASS Variables for themes, Ng-10 UI Bootstrap, Component/Ng Module, Color Picker, CLI Built and much more using leading edge technologies.
* Developed subscriber/publisher model with **CI/CD pipelines** using **Azure push services.** Consumed **ASP.NET Web API** from **ASP.NET MVC 5.1** application using **HTTP** client, Implemented Web Services Using **ASP.NET** for consumption by the client application.
* Used **JSON** objects for better data transfer from **Azure Table Storage** to on-premises environment. Developed web services using **ASP.Net** and hosted them in IIS.
* Created Custom User Controls, Data Access Layer, and Business Logic Layer Classes using **C#** and **.Net 4.6** for **web pages.**
* Worked with advanced concepts of **ASP.NET Core MVC** such as Models, Providers, and Filters used for developing backend technology. Developed new user interface components for different modules using **Kendo UI.**
* Developed and enhanced Master Pages, User Controls, and User Interface by using HTML, CSS, jQuery, and ASP.NET Controls along with Bootstrap Framework, and **Telerik Kendo UI Controls.**
* Expert in **database optimization**, **SSRS reporting**, SSIS ETL packages, JWT-based authentication, and authorization for secure application access.
* Proficient in managing NoSQL databases (MongoDB, Cosmos DB), implementing CI/CD with Jenkins, Docker, OpenShift, and facilitating cross-service interactions with RabbitMQ.
* Used **Azure DevOps** Services for source code repository and to build project artifacts. Created CI/CD Pipeline using TFS and Azure DevOps.
* Implemented Unit Testing, Integration Testing, and System Testing using NUnit.

**Environment:** Visual Studio 2017, C# 7.0, Kendo **UI**, ASP.NET, MVC 5.1, Angular 10, WCF, Java Script, Angular JS, HTML5, CSS3, JQuery, TFS 2015, IIS 7.0, AJAX, ADO.NET, LINQ, XML, NUnit, SQL Server 2016, SSIS, SSRS, ASP.NET WebAPI,

**Client: Walmart, Bentonville, AR Aug 2018 - May 2020**

**Role: Sr .Net Full Stack Developer**

**Responsibilities:**

* Involved in the complete **Software Development Life Cycle** including Analysis, Design, Implementation, Testing, and Maintenance following **Agile Scrum.**
* Developed multi-tier web applications with the use of web services using ASP.Net Web Restful API and services have been used to retrieve and update the data using Ajax.
* Involved in the design and development of server-side application with MVC architecture in ASP.Net Web API, applied HTTP CRUD (post, get, put, delete).
* Used C# for ASP.NET server-side state management features such as application state, session state and profile properties.
* Developed a **System Services SOA application** platform using **WCF services** and the **ASP.NET** provider model, utilized by all web applications.
* Involved in the development of Web Forms and Classes using **MVC ASP.NET** and multithreading incorporating N-tier architecture and database connectivity. Implemented multi-page, responsive solution with Knockout and jQuery.
* Designed and developed the data access layer using Entity Framework with the database-first or schema-first model.
* Implemented RESTful services with **ASP.NET Core API** and C# to be consumed by various frontends and test the service request/response using Postman.
* Involved in Enhancement of existing application utilizing Typescript, **ReactJS** developed routing through web pages and achieved Single page application. Used **React JS** to achieve two-way data binding.
* Implemented **React JS** frameworks in AJAX-driven websites using proxy to get data from backend in form of JSON to populate on UI components.
* Implemented **Python** scripts for system testing and automation of test cases using the NUnit framework.
* Created custom, self-contained, reusable, and testable components and services through to implement key functionalities. Implemented **React client-side** validation through form module and wrote custom validators.
* Developed reusable components and services using TypeScript to perform CRUD operations based on React JS structure and concept of dependency injection, promoting code reusability and maintainability.
* Create Cache Memory on **Microsoft Azure Active Directory** to improve the performance of data transfer between **SQL Azure** and **WCF services.**
* Added new features to our existing web applications using **React JS**, .NET Core, C#, and T-SQL.
* Used Oracle PL/SQL to execute the queries and debug the packages and stored procedures.
* Developed a resilient and secure Express JS backend, seamlessly integrating with MongoDB for efficient API handling.
* Implemented secure authentication and authorization mechanisms using JWT, IAM, and OAuth.
* Implemented **CI/CD pipelines** using **Azure DevOps** Services for project management tasks, source code repository, continuous integration and deployment.
* Implemented Unit Testing, Integration Testing, and System Testing using NUnit.

**Environment:** Visual Studio 2017, C#, ASP.NET, MVC3, WCF, React JS, Entity Framework, JavaScript, NodeJS, ExpressJS, HTML5, CSS3, Bootstrap, jQuery, TFS, WCF, WPF, IIS 7.0, AJAX, ADO.NET, LINQ, XML, NUnit, SQL Server 2014, ASP.NET WebAPI, GIT, Mongo DB

**Client: T-Mobile, Seattle, WA Jan 2016 - June 2018**

**Role: Senior .NET Developer**

**Responsibilities:**

* Conducted requirement analysis and prepared design documents.
* Developed the user interface using **ASP.NET MVC, HTML, JavaScript, and CSS.**
* Implemented a 3-tier system comprising Business Logic Layer (**C#.NET), .NET Core** Presentation Layer, and Database Layer
* Participated in daily Scrum meetings, bi-weekly Sprint planning, and quarterly Epic design and planning sessions.
* Applied **Agile** **practices** and **Test-Driven Development (TDD**) techniques to deliver reliable and functional software
* Played a key role in migrating legacy codebase from ReactJS, jQuery, and Bootstrap to a modern **MERN stack**, with a focus on ReactJS for dynamic and user-friendly interfaces.
* Prioritized mobile responsiveness and improved the overall user interface using ReactJS on **AWS cloud**, applying modern design principles to create engaging and visually appealing applications.
* Experience in using deploy tools such as **OpenShift for CI/CD** for Microservices.
* Conducted performance analysis and optimizations on the **ReactJS** components to ensure efficient rendering and a smooth user experience, particularly in scenarios with high user interaction.
* Successfully implemented **AWS services** such as **AWS Lambda**, **S3** for file storage, and **EC2 instances** for scalable computer resources, enhancing application performance and reliability in a cloud-native environment.
* Employed **Redux** Thunks to handle asynchronous data fetching and API calls to achieve efficient state management
* Led end-to-end development using MERN stack, showcasing proficiency in **MongoDB, Express.js, React.js, and Node.js**.
* Implemented Single Page Applications (SPAs) to enhance user experience, employing React for dynamic and responsive content. Ensured seamless navigation with React Router, optimizing content presentation and improving user journeys.
* Successfully implemented **React-based Single Page Applications** (SPAs) for dynamic content presentation on AWS.
* Configured the Data mapping between Oracle and **SQL Server 2014**. Employed SQL tuning and optimization techniques to enhance query performance. Performed unit and integrated testing to ensure application quality.

**Environment**: ASP.NET MVC5, .Net Framework, C#.NET, ADO.NET, HTML5, CSS3, SOA, RestAPI, JSON, JavaScript, Entity Framework, AJAX, XML, Knockout JS, React JS, IIS, JQuery, SQL Server 2014, LINQ, MSSQL, SVN, React JS.

**Client: Barclays, Pune, India July 2014 - Oct 2015**

**Role: Software Engineer**

**Responsibilities:**

* Involved in all the phases of the **Project Life Cycle** and also **analysis** of the system based on **n-tier architecture.** Worked in an **Agile Environment** to deliver higher-quality applications far more rapidly.
* Incorporated many rich, **user-friendly**, responsive features in the application using **.NET Framework, AJAX Library, CSS, and JavaScript.**
* Created database objects using **SQL Server** which included Stored Procedures, **Triggers, Tables, Views, SQL Joins,** **DDL, and DML** Statements for application.
* Used Oracle SQL Developer to execute the queries and debug the packages, stored procedures, and error handling.
* Used **Data Grids, Data Sets, Data Views,** and **Data Adapters** to extract data from the backend.
* Developed **WEB API Services** for user authentication and file transfer using **.NET (SOAP/XML).**
* Led project lifecycle phases and system analysis based on n-tier architecture in **Agile environments**, ensuring rapid delivery of high-quality applications.
* Implemented rich, user-friendly features using **.NET Framework**, AJAX, CSS, and JavaScript, and designed database solutions with SQL Server including Stored Procedures, Triggers, Tables, Views, and SQL operations.
* Created **Unit Tests** for **testing** the developed **services** and ensured the code was developed according to the client coding standards.

**Environment:** Visual Studio 2012, C# 5.0, .NET Framework 4.5, ASP.NET MVC 4.0, XML, ADO.NET, HTML 4/5, T-SQL, WEB API, Web Services, XML, JavaScript, AJAX, XSLT, IIS, LINQ, WCF, T-SQL, SQL Server.

**Sonata Software, Hyderabad, India Aug 2013 - May 2014**

**Software Developer**

**Responsibilities:**

* Involved in the modification and addition of functionalities in the existing application including Analysis, Design, Implementation, Testing and Maintenance using agile methodology with daily scrums, paired programming using TDD and Documentation and continuous integration.
* Provide production support through assigned tickets for fixing reported bugs by client and Database Release and Development release every weekend.
* Development of User interface screens using HTML, JQuery and XSLT using MVC 3.0.
* Developed SQL stored procedures, views, and functions and optimized using indexes.
* Created event driven Web Forms using ASP.NET and implemented form validation using Validation controls using both Custom validation and JavaScript was written for Client side validations and also used the new validation controls in VS 2008. Effectively used ASP.NET security infrastructure for authenticating and authorizing user access as well as performing other security related tasks using C#.NET.
* Developed dynamic ASPX web pages for Application using ASP.NET, C#.NET, XML, XSL/XSLT, HTML5, JavaScript and Telerik/Kendo.
* Worked with ASP.NET Web Forms, Web Services, and State Management, Caching features, configuring optimizations and securing the web application. Developed the Code-behind files in C#.NET.
* Extensively used ASP.NET Data Grid, Data List and Repeater controls for displaying the data in a clear format.
* Used ADO.NET objects such as Data Reader, Dataset and Data Adapter for consistent access to SQL data sources.
* Developed system services SOA application platform for use by all web applications utilizing WCF services and the ASP.Net provider model.
* Developed tables, stored procedures, views, functions and triggers to perform automated rules, updating to related tables in SQL Server 2012
* Used Microsoft Team Foundation Server (TFS) for all the source code maintenance needs.
* Implemented Unit Testing. Preparation and review of the test plans. Participated in System Documentation and Code Documentation.