**Ashok Kumar Venna**
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● Professional Application Developer ● .Net Developer
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## Objective

I'm looking forward to joining a progressive organization with high personal morals and integrity and a strong team builder and leader goal-oriented, self-motivated, and committed to the project's successful outcome. I'm willing to work hard and have a great desire to learn.

## Professional Summary

- 8 years of experience with **Microsoft .NET Framework 5,6,7** and **Visual Studio .NET 17,19,22** on designing, developing, and maintaining both web and windows-based applications.
- Experienced in full Software Development Lifecycle (SDLC) starting from Requirements Analysis, Design, Development, Testing, Maintenance, and Enhancement & software Applications.
- Worked in Waterfall Model and **Agile/Scrum** software development methodologies.
- Expertise in using Object Oriented Programming Concepts **(OOPS), C#.Net 6, 7, VB.Net, ASP.NET**, for developing 3 - Tier and N-Tier Component based applications.
- Experience in working with **Windows Communication Foundation (WCF)**, Windows Presentation Foundation (WPF) and Windows Workflow Foundation (WWF) in .Net Framework 4.8/4.5/4.0/3.5/3.0 and **Language Integrated Query (LINQ)** in .Net Framework 4.8/4.5/4.0/3.5.
- Development languages and technologies utilized **C# .NET, VB.Net, WPF, WCF, C++, JSON, JavaScript**.
- Experienced in using .Net technologies such as **ASP.Net**, and **C # .net 6,7, VB.Net, ADO.NET**, Windows Services, Web Services, **XML/XSL/XSLT,** and **MS SQL Server**.
- Developed, Configured, and deployed a variety of .NET Framework Applications including **Win Forms**, Web Services, **WCF**, Web Forms and **Windows Services**.
- Strong experience in designing and developing Web forms, Web User Controls, Custom Controls, Server Controls, and Web Services.
- Excellent knowledge in Object Oriented analysis and design (**OOAD**), Agile Development Methodology, Service Oriented Architecture (**SOA**) and **Model-View-Controller Architectures (MVC)**, MVVM.
- Implemented architectural patterns **Model View Control (MVC)**, **Model View Presenter (MVP)**, Singleton, etc.
- Expertise in database design and database programming in **MS-SQL Server 2005/2000/7.0/6.5** (using stored procedures, functions and triggers, SQL, T-SQL), Access and Oracle 10g.
- Expertise in creating UI Web pages using **HTML Controls**, Web Controls and User Controls ASP.Net using **C#.Net 6,7** with **AJAX**.
- Having Experience in developing web enabled applications by using **BOOTSTRAP, Angular JS** and NODE.JS
- Experience in **MVP, MVC, MVVM, Singleton, Factory, Strategy, Façade, Template** and Dependency Injection design patterns.
- Experienced in developing web-based applications using **Python**, **Django**, XML, CSS, HTML, **JavaScript**, **Angular JS** and **JQuery**.
- In-depth understanding and implementation of DevOps and **CI/CD practices**, utilizing **Docker**, **Kubernetes**, and **Jenkins** for automated deployment pipelines.
- Familiar with **Kubernetes** and **Docker** for containerizing applications. Used **Kubernetes** to isolate **microservice** responses and latency issues.
- Implemented messaging solutions using **RabbitMQ** for efficient communication between **microservices**.
- Configured **RabbitMQ** plugins and extensions to enhance functionality and monitoring.
- Good knowledge of virtualization and container technology like **Docker**. Experience in creating Docker files and working with **Docker** containers.
- Used **Docker** for setting Azure Container Registry with Docker and Docker-compose and actively involved in deployments on **Docker** using **Kubernetes.**
- Worked on **Azure** Site Recovery and Azure Backup- Deployed Instances on Azure environments and in Data centers and migrating to Azure using **Azure Site Recovery** and collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.

- Experience in building data pipelines using **Azure Data factory**, Azure **data bricks** and loading data to **Azure data Lake**, **Azure SQL Database**, **Azure SQL Data** warehouse and controlling and granting database access.
- Data Factory using SSIS integration runtime. Replacing existing ETL/SSIS solution with Spark job using **Azure Databricks.**

## Skill:

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|---|---|
| **Project Methodologies** | Software Development Life Cycle (SDLC), Agile, Waterfall |
| **Languages** | C#, VB.Net, VB 6.0, ASP, T- SQL, JavaScript, Angular 8,10,11and SQL |
| **.Net Technologies** | ASP.NET MVC5/6, ASP.NET Core3,3.1,4,5,6, ASP.NET WEB API, WCF, ADO.NET Entity Framework, Web Forms, WIN Forms, LINQ |
| **Web Technologies** | ASP.NET, AJAX, JSON, XML, XSL, XSLT |
| **Database** | MS SQL Server 2016 and 2012, MS SQL Server 2008, Oracle 11g and MS Access, CosmSos DB |
| **Operating Systems** | Windows NT/XP/2000/Vista |
| **Business and Data Modeling** | MS VISIO, SQL Server, SQL Reporting Services |
| **Development Environment** | Visual Studio.NET 2022,2019, 2017,2015, |
| **Desktop Software:** | Microsoft Word, Excel, PowerPoint, Access, Lotus Notes, Balsamiq, Power BI |
| **Cloud Technologies** | AWS,Azure, CI/CD |
| **Version Control** | Team Foundation Version Control, GIT |
| **Other Tools** | ReSharper, Fiddler, Postman, SoapUI, ITSMWEB(Remedy), HPALM |

## Education

**Southeast Missouri State University, Cape Girardeau, USA**                     **Jan 2020 - May 2021**
Master's in computer science, 3.7 GPA

**Sathyabama University, Chennai, India.**

B-Tech Information Technology                                                **Aug 2013 - May 2017**

## Certifications
1. Microsoft Certified: **Azure** Administrator Associate (Credential ID: 42B7E9297BA66CE1)
1. Microsoft Certified: **Azure** Solutions Architect Expert (Credential ID: D844979DEC18CF8B)

## Professional Experience:

**1.Gainwell Technologies, Conway, AR**                                    **Dec-2021- Till now**
**Role: Professional Application Developer**
**Environment: Restful Services, Web API, WCF, Visual Studio 2022/2019, .NET Framework 4.0 4.5,4.8, C#, .NET 6,7 , VB.net, ASP.NET, Service-Stack, ASP.NET, Ajax, LINQ to Objects, AWS, Data Entity Model, Developer Express Tools, JavaScript, GIT Repository, Tortoise GIT , IIS 6.0, CSS, HTML, XML, Postman, AWS, SQL Server, MVC, REST APIs, RabbitMQ**

## Responsibilities:
- Involved in the complete **Software Development Life Cycle (SDLC)** for development process including **Analysis**, **Design**, **Implementation**, **Testing** and **Maintenance**.
- Developed reusable UI components using **Angular** Material or custom components.
- Implemented **NGRX** store architecture for efficient state management in **large-scale application** and utilized **NGRX** selectors to efficiently retrieve and transform state data for presentation in **Angular** components.

- Developed action creators, reducers, selectors, and effects to manage application state using **NGRX/store** and **NGRX/effects libraries** and ensuring data consistency and integrity across the application by leveraging **NGRX/store** for centralized state management.
- Integrated **NGRX/effects** for handling side effects such as **HTTP requests**, providing a robust mechanism for asynchronous operations within the application and conducted integration testing to validate the interaction between **Angular** components and **NGRX store**.
- Built and maintained RESTful APIs using **Node.js**, integrating third-party services and ensuring seamless communication between microservices.
- Architected and deployed serverless solutions on **AWS** using Lambda, DynamoDB, and Step Functions, reducing infrastructure costs by 40%.
- Automated infrastructure provisioning using **AWS** CDK, cutting deployment times from hours to minutes.
- Led a migration project to **AWS**, replacing a legacy system with a highly available, cost-efficient architecture.
- Proactively monitored system performance using **AWS** CloudWatch and PagerDuty, resolving critical issues with minimal downtime.
- Implemented robust security measures using **AWS** WAF and IAM policies, ensuring compliance with data protection regulations.
- Conducted code reviews, mentoring junior engineers to uphold best practices in coding standards, testing, and deployment.
- Collaborated with cross-functional teams to gather requirements, align priorities, and deliver key features on time.
- Designed and implemented containerized applications using **Docker** and **Kubernetes**.
- Created **Docker files** to define application build and runtime environments.
- Integrated containerized applications with **CI/CD pipelines** for automated deployments.
- Integrated with backend **APIs** using **Angular's HTTP** client or third-party libraries like **HTTP Client** for efficient data communication.
- Design and implement **CI/CD** pipelines using **Jenkins**, automating the build, test, and deployment processes.
- Deployed and managed **RabbitMQ** on cloud platforms (AWS, Azure, GCP) leveraging managed services or infrastructure-as-code approaches
- Utilize **MySQL** for relational database management, optimizing queries for performance.
- Created custom A**ngular JS** directives for data manipulations, validations, and display data in company standard format in UI.
- Implemented **RESTful APIs** and message queues like **Rabbit MQ**, facilitating seamless communication between microservices and enabling efficient data flow.
- UI/Frontend using **AngularJS** (11), **Node JS**, **HTML5**, **CSS3** and **GIT** as the Version Control System.
- Extensive Knowledge on .**NET Design Patterns** including **Dependency Injection (DI), Inversion of Control (IOC), MVVM (Model-View-View-Model)** and **MVC (Model-View-Control).**
- Created and consumed **ASP.NET** Web services and implemented **RESTFULL Web API/WCF** services for service layer, created Action filters and Exception filters to implement **REST API**.
- Defined coding standards and best practices for TypeScript development, ensuring code consistency and readability across projects.
- Responsible for Designing and Developing the **Reusable UI Components** Like MVC **Master Pages Layouts** and **Nested Layouts**, **View Start** and MVC User Controls &**Partial Views**, creating custom site pages, lists, views, and **master pages**.
- Used **ASP.NET MVC** Page Controller pattern to add functionality to individual pages such as to accept input from the page request and invoke the requested controller actions.
- Implemented **Language Integrated Query (LINQ)** for retrieving the data effectively and in a timely manner.
- Designed and developed various pages using **ASP.NET**, **C#, HTML, CSS,** and **JavaScript**.
- 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** and **VB.NET.**
- Developed reports using **Entity Framework** 6.1.3 using **LINQ** and **Lambda** expression in both C#.Net and **VB.Net.**
- Created a web application using Blazor technology with **.Net core framework 5.0**.
- Have hands on project experience followed on **SOLID** principles and Lazy Loading, Factory and **Dependency injection** design patterns.
- Created Triggers, Functions, Indexes, Views and other **T-SQL** code and **MS SQL** joins for applications.

- Migration of Data from Reports generated by various vendors into **PostgreSQL** Databases using **Postgre**SQL Export/Import Procedures.

**2.Cerecore/HCA-Healthcare, Nashville, TN**             **Jan 2021- dec-2021**

**Role:** .Net Developer Full stack

**Environment**: **C#, .NET CORE 6,7, ASP.Net, Entity Framework HTML, MySQL, ADO.NET, LINQ, Java Script, Bootstrap, jQuery, MVC 5,6, Angular JS 8,12,Vue.js Node Js, Azure, GIT Repository.**

**Responsibilities:**
- Involved in different phases of the Software Development Life Cycle (SDLC) including Requirement analysis, Designing, Programming, Testing, and Documentation.
- Involved in designing the user experience interface **UI/UX** strategy, UI requirements.
- Created **Web API** as a back end and perform database operations (CRUD) through EF/Core.
- Experience in creating Containers by **Docker's** for **Microservices** and designing and developing **Microservices** for the business components using .NET framework.
- Designed and Implemented **Ngrx** Store for centralizing application state on client side.
- Implemented **JWT** Security to provide authentication and authorization to secure the Web API. Created a SSO Service HTTP Handler using C#, which would receive the OAuth Request, process the request, and create a SAML Response.
- Migrating the existing ASP.NET Application to .NET Core 4 with **Angular** JS. Implementation with new Enhancements and developing the reusable component based on old application.
- Secured Rest Services using **OAuth2** (Authentication, Authorization) using **JWT** tokens.
- In-depth understanding of **OAuth** security standards for 2L and 3L implementations
- implemented **OAUTH** 2 (Rest service authentication) in our application to communicate securely with other protected resources by exchanging **JWT** tokens for authentication instead of using username and passwords.
- Collaborating with team to design and develop user interface for various projects using **VB.NET**, **HTML** and **JavaScript**.
- Developed the Product Builder UI screens using Angular-JS6, **Node JS**, Vue.js, **React JS**, HTML5, CSS, **JavaScript,** and Bootstrap.
- Upgraded single page application from **Angular 6** to **Angular 10**. Migrated backend application from .NET framework to .**NET Core**4.
- Handled daily maintenance of multiple company websites, via various technologies such as **C#**, **VB6**, .**Net**, **JavaScript** and others. Familiar with both MVC and Web forms methodologies.
- Migration of existing ASP application to .NET application using **ASP.NET**, **C#.NET 6**
- Managed Identity and Access Management (IAM) roles, defining and implementing policies to control access to Azure resources.
- Proficient in setting up security and identity across **Azure** through **Active Directory** (AD) including Key Vault, AD B2C, and Security Center.
- Created projects, VPCs, subnetworks, and **GKE** clusters for environments QA3, QA9, and prod using **Terraform**.
- Developed and Scheduled Data Load jobs in Data Studio Tool/**Cosmos** Ul using Scope Scripts from both Structured and Non-Structured streams.
- Worked on **NGP** Onboarding to Implement Delete Processor in **Cosmos**/**Azure SQL**.
- Consume **REST API** which provides information on the promotions to be displayed on the site.
- Created Stored Procedures, and Triggers on the database to provide/insert specific data from multiple tables for **Web API** services.
- Implementing backup and recovery (Logical and Online). creating **PostgreSQL** objects like Tables, Views, Indexes, Triggers, Rules, Defaults, user defined data types and functions.
- Designed and developed several **SQL** Server Stored Procedures, User defined Functions, Triggers and Views for all the DML functionality of the application.
- Expertise in Distributed technologies like Web services, **WCF**, **Web API**, **Rest API**, **Microservices** and SOA (Service-oriented architecture).
- Used **Team Foundation Server** (TFS) for source control, data collection, reporting and project tracking.
- Worked with **SSIS** for gathering data from different data servers. Used **SSIS** for data transformation from Excel database to SQL Server 2008,2012 and SSRS for reporting.

**3.CrimsonLogic PVT Ltd, Bengaluru, India**                                      **Jun 2017- Jan 2020**
  **Role**: Application Developer
  **Environment**: **C#, NET CORE 2.1, LINQ, Entity Framework HTML, MySQL, ADO.NET, LINQ, Java Script, Bootstrap, jQuery, ASP.NET CORE 2, MVC 5, SSRS (SQL Server Reporting Services), VSTS (Visual Studio Team System), Angular JS SSRS (SQL Server Reporting Services), VSTS (Visual Studio Team System).**

  <u>**Responsibilities**</u>:
- Enhanced data quality and leverage logging to inform product decisions and discover anomalies.
- Designed interactive **ASP.NET MVC** views using jQuery, HTML, CSS, Angular JS, Bootstrap and AJAX to provide excellent user experience.
- UI/Frontend using **AngularJS** (6), **HTML5**, **CSS3** and GIT as the Version Control System.
- Extensively involved in coding with **Angular** and **JavaScript** to add functionalities and effects like Accordion, Infinite Scroll bar, Slider bar, Draggle/Droppable, Resizable, Progress bar.
- Used **Angular** as framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server.
- Developed Web applications and Web Services using **ASP.NET**, C#, **MVC5** with Razor, Entity Framework 5/6, **LINQ**, **HTML5**, **CSS3**, **JavaScript**, **AngularJS,** and Bootstrap UI.
- Worked on **Angular JS** for creating the templates on routing configurations by applying states.
- Heavily used **LINQ** to **SQL** to retrieve data about Customers & Transactions.
- Developed DAL using **LINQ** Data context object with **ADO.NET** Entity Framework for **LINQ**, invoked DB tables and stored procedures and Implemented **LINQ** Lambda Expressions to query in memory expressions.
- Developed Application layer using **ASP. Net**, Server controls, **HTML** Controls and Validation controls.
- Developed Application using .**NET Framework 4.5**, Object Oriented Principles (OOP), and n-Tier Architecture.
- Using Windows Services provided compute and storage platform based on SaaS.
- Developed reusable controls and Master Pages and integrated them into **ASP.NET** web pages.
- Developed Web forms in ASP.NET and **WinForms** applications in C# where the presentation layer was designed in ASP.NET and business layer in C#.
- Designed **WinForms** using C# and **WPF** using Visual Studio 2015 with Telerik library.
- Used Microsoft Test Manager in Visual Studio for running Action Recorded Test Cases and Regression Tests.
- Involved in Unit testing, Modular testing, Integration testing and successful integration of modules and multiple layers in the system.
- Used **Graphical User Interface** (GUI) along with **HTML**, **Custom Controls**, **CSS**, and Navigation Control to achieve the look and feel of the website.