

**Ravi Krishna**  
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## **Professional Summary**

- Full Stack .NET Developer around 7 years of experience in web application design, implement of Object - Oriented Design, software design patterns, Onion Architecture, Service Oriented Architecture (SOA), **MVC**, N-Tier Architecture, RDBS design and administration.
- Expertise in developing n-tier web applications in .NET environment using Visual Studio 2003/05/08/10/13, C#.NET, ASP.NET, ADO.NET, LINQ, ASP.Net Ajax, XML, XSL, HTML, Java Script, Web services, Web s, IIS, SQL server 2008/2012/2014.
- Proficiency in Object-Relational Mapping (**ORM**) using **ADO.NET**, Entity Framework, **LINQ** and Lambda expression. In-depth experience in Web Services, **WCF** and **Web API** development
- Used **Kafka** to collect Website activity and Stream processing.
- Generated and exported **CSV** or **Excel** Reports through grid and api as well.
- Worked on Version control tools like **Git**, **Bit Bucket**, **Azure DevOps Server**, **Azure Devops**, **Subversion(SVN)**, **GitKraken** and used **Atlassian** tools like **Jira**, **Bitbucket**.
- Development experience with **JavaScript** and **C#** for implementing **client side/server-side** code in **ASP.NET** applications.
- Worked on Migrating **WCF Rest APIs** into **ASP.Net Core APIs**.
- Good working experience with **AGILE**, **Scrum** **Test Driven development** as well as **Waterfall** methodologies.
- Familiarity with Oracle database administration tasks such as connection pooling, data caching, and error handling using **ODP.NET**.
- Experience in **deploying applications** using **Windows Azure DevOps CI/CD pipelines** and fixing the build errors if any.
- Integrated **Cosmos streams**, **SQL data (Azure SQL database)** and **Kusto's data** to UI Using **MVC architecture**.
- Implemented fault-tolerant **microservices** architecture using **Spring Boot** and **Apache Kafka**, ensuring high availability and reliability of critical business processes.
- Experience in working with **ASP.NET Web Forms**, User Controls, Master Page, various types of **Data Grids** and HTML features and AJAX Extensions.
- Collaborated with cross-functional teams to design and implement **microservices**-based solutions for complex business problems, resulting in significant cost savings and improved customer experience
- Extensive knowledge of .NET security features such as **Multi-factor Authentication(MFA)** & Authorization, Windows-based Authentication, Forms-based Authentication, Authorizing Users and Roles.
- Experience in UI designing for **Windows and Mobile (touch-based)** applications using **XAML**, **UWP**, **Windows Store 8.1/8.0**, **C#**, **Windows Phone SDK7.1**, **MVVM**, and **Prism frameworks**.
- Involved in **Azure Migration** on **VM servers** and validated and monitor all the hosted applications and databases.
- Experience in **Windows Azure Service Bus**, **Logic Apps**, and **Application Insights**.
- Experience in code/project management, **Code reviews**, **making shelvesets**, **check-ins**, and **preparing builds** and **Pipelines** on **GIT** and **TFS**.
- Designed and developed **microservices architecture** using .NET Core and Docker containers
- Migrated on-premise servers, hard drives, and web applications to **AWS** using **PowerShell**, and implemented **AWS CloudWatch** for monitoring and logging application performance and metrics, as well as configured and managed **AWS Elastic Beanstalk** for deploying and scaling web applications.

- Extensive Experience in using HTML5, XML, CSS3, Bootstrap, JavaScript, jQuery, AJAX, Angular JS, Angular 2, XSLT, REACT JS, Node.js for creating interactive web applications.
- Proficient in RDBMS and PL/SQL development like **Creating Tables, CTE, Constraints, Indexes, Complex Stored Procedures, User Defined Functions, Triggers, Views, Joins, Cursors** and performance tuning using **SQL SERVER, ORACLE**.
- Extensive experience in developing reports using Crystal Reports, **MS Access reports, Entity Framework** and **SQL Server Reporting Services (SSRS)**. Experience in **SQL Server Integration Services (SSIS)**.
- Ability to create and customize **Windows Workflow Foundation (WWF)** from within Visual Studio 2008 to provide custom business workflows. Worked with the Version control Systems like **Azure DevOps Server**.
- Experienced on **GitFlow** management and Code Review Process using **GitKraken/Azure GIT Pull Request (PR)**.
- Experienced In **API testing** and **API documentation** using **Swagger, Postman, and Fiddler** tools.
- Competitive in writing **Stored Procedures, Views, Triggers, and Cursors** using **T-SQL for the SQL Server databases in the backend**.
- Implemented **MVVM** pattern based on **MVC5** pattern.
- Expertise in database programming and writing stored procedures using **MS SQL Server 2000/05/08/12/14/19**. Hands on experience in trouble shooting database issues.
- Extensive Experience in **.NET Design Patterns** including **Dependency Injection (DI), Singleton** and **MVC**.
- Knowledge in various Cloud Environments like **Azure** and **AWS**.
- Utilized **Agile Methodology** with daily scrums and Sprint meetings to meet deadlines and expectations.
- Skilled in building, and mentoring high-performing teams in consistently delivering strategic software projects and mentoring junior developers.

## **Technical Skills:**

<b>Languages</b>	C# 4.0/5.0/6.0/7.0/8.0/9.0/10.0, Visual Basic .NET
<b>Web Technologies</b>	ASP.NET Core, ASP.NET 3.5/4.0/4.5/4.5.1,/4.6 .NET 5.0, .NET 6.0, ADO.Net, .Net Web Services, Win forms, Web forms, Bootstrap, CSS, Angular JS, Angular 2.0,5,9,11,12,14 Windows Forms, SOAP, Entity Framework, WCF, SSIS, AJAX, HTML/XHTML, XML, LINQ, MVC3.0,4.0,5.0 Razor, JQuery, Json, Web Services (SOAP/Restful)
<b>Databases</b>	MS-SQL Server 2008/2012/2014/2016/2019 Oracle SQL Developer 9i/10g/11g/12c, No SQL, KQL
<b>OS</b>	Windows 7/8/10XP/ Vista/11, UNIX, DOS, Windows 2003/2008/2016/2017 server. Windows Store 10/8/8.1
<b>Technologies</b>	Object-Oriented Design/Development, ADO, ODBC, ADO.Net, .NET Framework 2.0, 3.0, 3.5, 4.5.1, .NET Core 5.0, 6.0, 7.0, 8.0 HTML, HTML5.
<b>Software/IDE</b>	Visual Studio .NET 2005/2008/2010/2013/2017/2019, VS Code, Sitefinity
<b>Cloud Platforms</b>	Azure, AWS
<b>Other Tools/Packages</b>	Team Foundation Server (TFS), Visual Source Safe (VSS) 6.0, GitHub, TeamCity, Jira, SVN, GIT, BitBucket, Docker, Kubernetes

## Professional Experience:

Truist Finance Corp	Jan 2024 – Till Date
Sr .Net Full Stack Developer	

### Project: Truist Finance Loan Organization and Premium Payments

#### Job Responsibilities:

- Involved and used **C#.NET** as the language to develop code behind business logic.
- Developed a web-based secure application using **ASP.NET, MVC4**, and **MVP**, ensuring robust functionality and security measures.
- Proficient in **Vue.js** for developing dynamic and responsive single-page applications (SPAs), utilizing its reactive data binding and component-based architecture.
- Implemented **lazy loading** in **Vue.js** applications using **Quasar's framework** to optimize performance and developed **standalone** and reusable Vue components, leveraging props and slots for creating highly modular and maintainable code.
- Applied **Vuex** for state management, maintaining a centralized store for application data and ensuring consistent state updates
- Designed **UI** screens for accessing product details, comparisons, client details, and monitoring sales and promotional activities and wrote **jQuery** functions for client-side validation.
- Extended **ASP.NET, MVC 3** application by creating Views, Controller actions, and Model classes.
- Developed custom Data view Web parts, List view Web parts to display the results on the **SharePoint** portal 2016,2019 using **Visual Studio 2015, 2017** and C#.
- Implemented partitioning and indexing strategies in **Azure Cosmos database** to optimize performance and scalability, ensuring seamless data storage and retrieval for the applications.
- Tuned complex **SQL** stored procedures and implemented asynchronous call functions such as Task Parallel Library (**TPL**) in **MVC** that enhanced the page response time to less than 2 seconds.
- Designed, developed, and implemented **IAM** solutions for .NET applications, including user **Multi-factor Authentication(MFA)** workflows, **role-based access control (RBAC)**, and fine-grained authorization mechanisms, using technologies such as **ASP.NET Identity, OAuth, and OpenID Connect**.
- Designed, developed, and deployed serverless applications using **AWS Lambda, API Gateway, and DynamoDB**, achieving high scalability and cost-efficiency.
- Integrated client-side and server-side **Blazor** applications with **MudBlazor** components, utilizing data binding and event handling to create dynamic and interactive user interfaces.
- Optimized **Blazor UI** performance by minimizing rendering overhead, optimizing component lifecycle methods, and leveraging caching and state management techniques provided by **Blazor and MudBlazor**.
- Wrote Stored Procedures, Triggers, and **SQL Queries** in **MS SQL Server 2016**.
- Developed microservices using **Node.js, Express.js**, and **MongoDB**, ensuring seamless integration with front-end applications and efficient data management.
- Created async calls and custom models to return **JSON** responses and rendered them on the **UI**.
- Utilized **LINQ** for querying the database and worked with Prism and Unity Container helper extensively across modules.
- Utilized **PRISM's MVVM (Model-View-ViewModel)** design pattern to separate concerns, ensuring clean architecture and facilitating code reusability across different modules.
- Developed **RESTful APIs** following **OpenAPI** Specification and **GraphQL APIs** for efficient data retrieval and manipulation.

- Developed unit tests using **JUnit,XUnit,NUnit,Rhino Mocks** Test-Driven Development (**TDD**) frameworks to validate business requirements and ensure code quality throughout the development process.
- Used **SQL Azure** extensively for database needs in Customer **Lookup & AzNot**.
- Wrote **Stored Procedures, Triggers** and **SQL Queries** in **SQL Server 2016**.
- Utilized **Toad** for Oracle for database development and administration tasks, including SQL scripting, schema design, and performance tuning.
- Utilized enterprise job scheduling tools such as **UC4** Automic to automate and orchestrate batch processing, job scheduling, and workflow automation tasks for **ASP.NET** applications, streamlining operations and enhancing productivity.
- Used **XML** for data storage and **XSLT** to transform the **SQL** queries returned as **XML** nodes.
- Used **SOAP** protocol to transfer **XML**-based messages such as applicant's requests and loan information over computer networks.
- Deployed the tools **Microsoft Azure Cloud Service (PaaS, IaaS)**, and **Web Apps**.
- Migrated the Azure **CXP** Tools to **HTTPS**-based authentication using **SSL** encryption.
- Utilized Directory Services library to integrate with Active Directory for identity management in ASP.NET.
- Installed, integrated, and configured **Jenkins CI/CD**, including installation of **Jenkins plugins**.
- Developed and monitored **SSIS** and **SSRS** Packages. Experience in generating reports using SQL Server Reporting Services (**SSRS**) and Crystal Reports.
- Created weekly and monthly reports in SQL Server Reporting Service (**SSRS**). Used **CVS** as a central repository and source code control.
- Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, test deploy.
- Involved in maintaining, debugging, and resolving issues in the application for open **JIRA** or **ALM** item.
- Developed queries using **TSQL** statements, **Views**, **user-defined functions**, stored procedures, and triggers for data manipulation.

**Environment:** .NET Framework 4.5,4.6, .Net Core 3.0, .Net 5.0,6.0 Microsoft Visual Studio 2013,2017,2019, SQL Server Management Studio 2016,2017,2019, ASP.NET, VB.Net(Visual Basic.Net), MVC 5.0, C#, ADO.NET, Entity Framework 5, Angular9.0,11,12, HTML5, Ajax, CSS3, Java Script, jQuery, LINQ, IIS, SOAP, WSDL, JSON, SQL Server Management Studio, GIT, Mongo DB, Tableau, Share Point, Salesforce, Silverlight, Enterprise Library, GIT, Microsoft Unity, Apache subversion, Tortoise SVN, Atlassian, JIRA, ALM, SOAP UI.

**State of Maryland**

*Dec 2022 – Dec 2023*

**Sr .Net Full Stack Developer**

### **Job Responsibilities:**

- Involved in the software development life cycle (**SDLC**) for application design, including the development of both functional and technical specifications, as well as the implementation of business logic.
- Designed and developed web pages using **HTML5, CSS, Angular JS 2.0,5.0** and **Vue.js**, and **jQuery** for event handling, **DOM manipulation**, and cross-browser compatibility.
- Developed the application in ASP.NET and wrote C#.NET classes.
- Developed automated **PL/SQL** and **T-SQL** scripts for summary **database transactions**, wrote complex queries to retrieve data from various sources, and designed and maintained the database infrastructure using **SQL** tools like **Stored Procedures, User Defined Functions, Views**, and **T-SQL** scripting.
- Designed and implemented custom UI components and layouts using **Blazor** and **MudBlazor**, to enhance user experience.
- Utilized **Blazor's** component-based architecture and **Razor** syntax to create reusable UI elements, enhancing code maintainability and scalability across projects.
- Implemented **navigation** and routing in **blazor components** by creating route components

- Utilized MSMQ alongside ASP.NET and SQL Server for system events, user actions and handle high volume of messages concurrently.
- Collaborated with cross-functional teams, including security engineers, system administrators, and business stakeholders, to define **IAM** requirements, design **IAM architectures**, and implement IAM controls aligned with regulatory compliance standards such as **GDPR, HIPAA, and PCI DSS**.
- Established the **Azure Cosmos database** SQL API to store data for the Connectivity Check and Workshop User WebUI tools.
- Created and enhanced **SPAs** within the application using **Angular 14+** and **TypeScript**.
- Implemented component router for navigation and services to connect the application to backend **APIs**.
- Used **C# WIN FORMS** to create a dynamic reporting tool that queried a complex **SQL** backend.
- Collaborate with network engineers to design, implement switch configurations that align with security and access control policies.
- Facilitated agile development processes by configuring and customizing **Team Foundation Server (TFS)** work item tracking, sprint planning, and backlog management features.
- Used **XSD (XML Schema Definition)** tool to generate appropriate **XML** for serialization/deserialization between disparate systems.
- Implemented **Kubernetes** clusters to automate deployment, scaling, and management of containerized applications.
- Developed component classes and interfaces in **C#** encapsulating the logic with strict adherence to **object-oriented paradigms**.
- Used **AJAX** and **JSON** for making asynchronous calls to retrieve data.
- Designed and implemented **DynamoDB** tables, including schema design, partitioning strategies, and secondary indexes, optimizing query performance and ensuring scalability and reliability for data storage needs.
- Used **XML** for data storage and utilized **XSLT** to transform SQL queries into XML nodes.
- Executed **Salesforce** Continuous Integration processes utilizing **Jenkins, Bitbucket**, and the ANT Migration tool.
- Implemented and maintained automated build and deployment pipelines using tools like **Git, and Azure DevOps** to ensure efficient and reliable delivery of software updates and improvements to the SaaS application.
- Integrated **Docker** with CI/CD pipelines for automated building, testing, and deployment of containerized applications.
- **UI** has **MVC** embedded with **Angular**, currently migrating from **Angular 2 to Angular 8** with **NGRX** state management.
- Integrated **Power BI** with other Microsoft Office Suite applications such as Excel and SharePoint, enabling data sharing, collaboration, and presentation across the organization.
- Integrated **SSAS** cubes with reporting tools such as **Power BI, SQL Server Reporting Services (SSRS)**, and Excel for interactive data visualization, dashboards, and operational reporting on healthcare performance metrics.

**Environment:** Visual Studio 2017/2019, VS Code, C#.Net, WCF, jQuery, LINQ , TFS, GIT, XML Web Services, IIS 6.0, WSDL, Agile, SOAP, ADO.Net, Framework 6.0, VB.Net(Visual Basic.NET), XML, SSIS, SSRS, SQL Server Management Studio 2008, Oracle SQL Developer, Agile(scrum) Windows XP, MS Office, Share Point 2013, Asp.Net, Postman, SaaS, AngularJS, Reactjs, JavaScript, JSON, Rest Sharp, MVC, LINQ, TFS, Windows 7, IIS 10, Bootstrap, ReSharper, SOAP UI (5.2.0, 5.3.0 & 5.5.0), Lync, Octopus, AWS, SVN.

**Job Responsibilities:**

- Worked as a **.Net Developer** as part of the team in designing and developing the applications using **Visual Studio 2015 .Net Framework 4.5, C#.NET, ASP.NET MVC 5 with Entity Framework 6, SQL Server 2015 and LINQ.**
- Design develop and **unit test** the application and assist in maintaining program libraries, user manuals and technical documentation using various programming languages as per the needs of the project which include **ASP.NET, C#, JQuery, Visual Studio 2015, MVC 5 Framework, Razor view Engine, WCF, Microsoft SQL 2012, OOAD, Entity Framework, LINQ, AngularJS, HTML, CSS.**
- Developed **WCF** services for both desktop and mobile applications, and actively participated in the development of applications on Azure servers by creating packages through **Visual Studio, s, and the Azure Portal.**
- Write functionality using observable patterns and models in **Angular2.**
- Worked to convert an existing **Classic ASP** website to **ASP.NET Core**
- Extensively worked in Entity Data Model for implementing **Business logic** and **Data Layer** using **Entity Framework 6.0.**
- Developed front end using **Telerik Kendo UI Controls, HTML, CSS3, JQuery and Bootstrap.**
- Designed and developed dynamic webpages using **Bootstrap, JavaScript, JQuery.**
- Implemented **AngularJS** Controllers to maintain each view data.
- Integrated **IAM** systems with single sign-on (SSO) solutions such as **OAuth, SAML, OpenID Connect** to streamline user authentication and access to multiple applications with a single set of credentials.
- Developed UI using **ASP.NET AJAX, ASP.NET 4.6, HTML5, CSS3 and JavaScript**
- Design & implement end-to-end automation of infrastructure and continuous delivery of the applications by integrating Cloud Formation scripts, **Jenkins, Ansible and AWS.**
- Developed single-page applications using **Angular2** and **Typescript**, alongside development experience in **C#** and **XAML** for Silverlight applications, as well as web applications for Microsoft SQL Server.
- Designed and Consumed XML Web services using **Microservices.**
- Implemented the **Dependency Injection** for unit testing and reusable components.
- Entities in the **Data Layer** using the Entity framework.
- Wrote Vagrant Scripts to spin up servers on the Developer workstations and in **AWS.**
- Creating, modifying **SQL queries, Stored Procedures, Functions, Views** and **CTE** to handle the data integrity for various data transaction in **MS SQL Server 2015.**
- Employed **Docker** security best practices to secure containerized applications and mitigate vulnerabilities.
- Implemented **Docker logging** and monitoring solutions to gain insights into container performance and troubleshoot issues effectively.
- Monitored and maintained **Kubernetes** clusters on **OpenShift Container Platform** for performance, availability, and security using built-in and third-party tools.
- Collaborated with cross-functional teams to integrate .NET applications with Oracle databases using **PL/SQL** interfaces, ensuring seamless data exchange and system interoperability.
- Used Microsoft Team Foundation Server (**TFS**) as repository for source control of application.

**Environment:** .Net Framework 4.5, C#, .Net Core, MVC 5, ASP.Net, Entity framework 6, SQL Server 2015, Visual Studio 2015, JavaScript, JQuery, WCF, HTML5, CSS3, AWS, Azure, Telerik, Typescript, AJAX, WPF,



Bootstrap, Silverlight, Stored Procedures, TFS 2013, Web API 2.0, Triggers, Agile, GIT, IIS 7.0, Views, LINQ, Kendo UI.

<b>Gramener Technologies – Hyderabad, IND</b>	<i>Jun 2018 - Dec 2020</i>
<b>Software Developer</b>	

### **Job Responsibilities:**

- Developed Application using .NET Framework 4.5, Object Oriented Principles (OOP), and MVC Architecture.
- Maintain and support MVC and ASP.Net web Forms web Application using **HTML, ASP.Net, JavaScript, jQuery.**
- Designed **Graphical User Interface (GUI) for various pages views using HTML, CSS, JavaScript, and jQuery.**
- Effectively used jQuery, a concise JavaScript Library for traversing HTML document, event handling and AJAX interactions.
- Created **custom master pages for the SharePoint 2013 intranet.** Created custom apps for SharePoint 2013.
- Used Data Grid, Grid view and Repeater for various pages.
- Worked on different aspects of .NET framework like **ASP.NET 5.0 and on middleware ADO.NET.**
- Developed Email Notification System **using MSMQ asynchronous model** using WCF Service and .net MSMQ binding.
- Created **WCF services using VB.Net(Visual Basic.Net)** to interact with web and window clients with server.
- Heavily used LINQ to SQL to retrieve data.
- Responsible for Production support and Maintenance in Various releases
- Used Microsoft Team Foundation Server for the purpose of version Control and source code maintenance needs.
- Involved in Unit testing, Modular testing, Integration testing and successful integration of modules and multiple layers in the system.
- Experience in writing Business Logic and maintaining Coding Standards.
- Involved in **Designing Database, Table Creation, Indexes Creation and writing Stored Procedures.**
- Used Microsoft Team Foundation Server for the purpose of version Control and source code maintenance needs.

**Environment:** ASP.Net MVC, Web Forms, jQuery, JavaScript, C#.Net, Visual Studio 2012.

### **Education Details:**

**Wichita State University**  
*Master's in Computer Science*

*Aug 2022 – Dec 2023*

**Jawaharlal Nehru Technological University – Hyderabad, IND**  
Bachelor's in Computer Science Engineering

*June 2012 - May 2016*