**Venkata Sudharshan Palla**

*Sr.Net Full Stack Developer*

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**PROFESSIONAL SUMMARY:**

* Around **10+ years** of software development experience involving all stages of Software Development Life Cycle (SDLC) including Requirements, Designing, Developing, Integrating, Testing and Supporting the Software Applications.
* Expertise in working with Microsoft Technologies such as **.Net Framework, .net core, C#, ASP.NET, MVC, ADO.NET, LINQ, Web Services, SOAP, WCF, Rest API, Ado.Net Entity Framework 6**, Design Patterns including Dependency Injection (DI) & MOQ Framework.
* Expertise in Web-Development technologies like **HTML5, CSS, JSON, JSTL, JavaScript, XML, Typescript, Angular JS, React JS, NodeJS, AJAX and jQuery.**
* Experienced in building full-stack software front-end to back-end Web Applications, SPA using C#, **Angular 7/8/9/10/12/13, ASP .NET, .Net Core, MVC/ASP.NET, AJAX, jQuery, HTML5 frameworks**, Web APIs, Restful Services, Azure Cloud.
* Extensive experience in .NET Technologies like **.NET Framework 4.8/4.7/4.6/4.5/4.0**, C#, ASP.NET, ADO.NET.
* Extensive Experience of **LINQ** and **ORM** technologies like **Entity Framework 6.0/5.0/4.3**, Database First, Code First and performance tuning in Entity Framework.
* Contributed to the development of accessible user interfaces and digital content according to **WCAG** guidelines.
* Experience in working on Angular 8/9/10/11/13/14 projects using Typescript and **Node.js**.
* Utilized **React** Router for declarative routing in single-page applications.
* Experience in using Microsoft .NET framework for SQL Server Integration Services **(SSIS)** packages for logging programmatically and managing, automating Control flow, Data flow and Events.
* Implemented authentication and authorization mechanisms in **RESTful APIs** using techniques such as OAuth 2.0, JWT (JSON Web Tokens), or API keys, ensuring secure access control and data protection for API resources.
* Experience in creating Tables and Views as well as writing Stored Procedures, Functions, Triggers, Cursors, indexes using **T-SQL and PL/SQL**.
* Expertise in database programming involving stored Procedures, functions with SQL Server 2005/2008/2012.
* Designed and implemented highly scalable and fault-tolerant distributed systems using **ASB** for asynchronous messaging.
* Familiar with the **Azure** **Kubernetes API** and how to use it to manage Kubernetes clusters.
* Enhanced database performance by developing optimized **SQL queries**, stored procedures, and triggers in **PostgreSQL**, resulting in a significant 25% reduction in query execution time.
* Expertise in database design and database programming in **MS-SQL** Server using stored procedures, functions, and triggers), Access and networked Paradox.
* Proficient in crafting **XML-based SOAP** messages for communication between clients and web services.
* Implemented data binding and templating techniques with **Telerik** controls, binding data from various data sources such as databases, APIs, or JSON objects to Telerik grids, lists, and dropdowns for dynamic data presentation.
* Having work experience in Databases like **Oracle 11g and 12g**, SQL Server, Postgres, Cassandra, and MySQL.
* Implemented security measures such as role-based access control (**RBAC**), user authentication, and data encryption to protect sensitive data stored in **SQL Server 2008 R2** databases, ensuring compliance with regulatory requirements and industry standards.
* Understanding of **IIS** web servers, web server/application configuration, web-farm load balancing operations including

SSL off-loading, SSL acceleration and content caching and disaster recovery topologies.

* Experienced in Configuration Management, setting up company version policies, building schedules using **GIT**, Team Foundation Server (**TFS**), Subversion (**SVN**), and Visual Source Safe (**VSS**), and proficient in integration, code security, version, and source control.
* Wrote queries to fetch data from a **MongoDB** database and used it to define the data that was exposed to the client.
* Manage and administer Microsoft SQL Server databases in an Infrastructure as a Service **(IaaS)** environment, ensuring optimal performance, availability, and security.
* Performed unit testing using tools MS-Unit, **NUnit** and performed several integration testing, system testing and performance testing.
* Experience in building Continuous Integration (CI) & Continuous Deployment/Delivery (CD)pipeline as an iterative process using Jenkins.
* Experience using **Azure Active Directory** to manage users and devices in the cloud, such as creating and managing users, groups, and permissions.
* Proficiently navigated **Azure portal** to manage resources, monitor performance metrics, and configure services, optimizing cloud infrastructure for high availability, security, and performance.
* Worked with a serverless application using **AWS lambda** in integration with API gateway, S3, IAM, EC2 and Code Deploy.
* Designed and managed databases on **AWS**, including RDS (Relational Database Service), DynamoDB (NoSQL), and **Redshift** (Data Warehousing).
* Good Understanding of all phases of SDLC in the Waterfall and Agile (SCRUM) methodologies.
* Provided guidance in project planning, code reviews, and troubleshooting, ensuring high-quality deliverables.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C#, VB.Net, JavaScript, C++, jQuery, Shell, PowerShell. |
| **Frameworks** | C#.NET, .Net core, VB.NET, .NET 4.5/4.0/3.5/3.0/2.0/1.1, ADO.NET, ASP.NET ,0, MVC, WCF, LINQ, Entity Frameworks, Web Services, CLASSIC ASP, Hibernate |
| **DBMS** | SQL Server 2005/2008/2012, Oracle 12g/11g/10g/9i, Mongo DB, Cosmos DB |
| **Operating Systems** | Windows XP/ Vista/ 7/ 8, Windows Server 2003, Windows 2008 server, Windows 2012 server. |
| **Web Technologies:** | HTML, Java Script, XML, XHTML, CSS, AJAX, Angular, React JS, XSL, jQuery, Silverlight |
| **Databases** | MS-SQL Server 2008/2014/2016, MS Access 2013/ 2010/ 2007/2000,Oracle 12c/ 11g |
|  **Applications** | Visual Studio 2005/2008/2010/2012 |
| **Application Servers** | IIS 6.0, IIS 5.0. |
| **Reporting Tools** | SSIS, SSRS and Crystal Reports. |
| **Browsers** | Internet Explorer, Chrome, Firefox. |
| **Others** | MS Build, MS Office 2003, MS Office 2007, MS Office 2010, All Software Configuration and Installation, Hardware Configuration and Installation, Computer troubleshooting. |

**EDUCATION:**

* MS in Computer Science from Indiana Institute of technology (2011 to 2012).
* Bachelor’s in computer science engineering from ANU (2007 to 2011).

**WORK EXPERIENCE:**

**Client:** **Safeway, Pleasanton, CA. (Retail domain) | Nov 2021 – Till Date**

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

**Responsibilities:**

* Participated in requirements gathering and compiled them into requirements specification document. Involved in full Agile, Scrum methodology to produce high quality software model.
* Designed and developed the application on **ASP.NET Framework 4.8, C#, Angular 14, JavaScript, TypeScript** and dealt with RESTful API.
* Analyse MVC Asp.Net Framework projects to migrate to Microservices from IIS to cloud services.
* Experienced with C#, .net core 2/3.1/6, LINQ, Entity Framework, API Rest, Google Remote Call.
* Architected automation of **Azure Virtual Networks**, Network Security Groups, and access control rules.
* Integrated **RxJS** with frontend frameworks (e.g., Angular) to create responsive and interactive user interfaces.
* Created multiple TypeScript modules to manage written codes in Angular project.
* Created a **Single Page Application** using AngularJS and used Angular UI Router to implement nested views.
* Developed Json Scripts for deploying the Pipeline in **Azure Data Factory** (ADF) that process the data using the Cosmos Activity.
* A robust understanding of front-end technologies, Object-Oriented JavaScript, AJAX, XHTML, HTML, XML/DOM, Node.js, ReactJS-Based framework.
* Designed user-interface pages using **Twitter Bootstrap**, custom **CSS,** JavaScript/jQuery, and jQuery UI. Set up and maintained software authentication using **Central Authentication Service (Ruby CAS).**
* Developed, designed, and implemented the web application by latest versions of **C# 5.0,6.0, MVC 5.0**, ASP.NET CORE 2.1, 2.2.
* Implemented request and response handling logic in **RESTful Web APIs**, including input validation, error handling, and content negotiation, ensuring robustness, security, and compliance with API specifications.
* Converted .NET application to Microsoft Azure Cloud Service Project as part of cloud deployment and deployed back-end services to Azure clouds.
* Monitored the Spark cluster using Log Analytics and **Ambari Web UI**. Transitioned log storage from MS SQL to Cosmos DB and improved the query performance.
* Implemented conversational interfaces by developing **Azure bot services** in Azure cloud and using it in direct line API for our web application.
* Used **Azure Service Bus queues** and web jobs to pass messages between different rest webs API to decouple them to ensure scalability.
* Worked closely for Inserting and updating report data into **MongoDB. (NoSQL)**. Deploying Web Apps and Creating Web-Jobs, Experience in configuring Cloud Platform in Azure SQL, Service Bus and Cloud Services.
* Extensive experience integrating **Oracle** databases with .NET applications using ADO.NET and Entity Framework.
* Optimized SQL queries for efficiency and performance, ensuring seamless interaction between the application and **Oracle** database.
* Leveraged **PowerShell** to manage Azure resources, including virtual networks, network security groups, and access control rules, optimizing cloud infrastructure.
* Implemented responsive web design patterns with **Telerik** controls, utilizing responsive layouts, adaptive grids, and flexible components to create mobile-friendly and responsive web applications.
* Managed source code repositories using **TFS/Azure DevOps**, ensuring version control and collaboration among development teams.
* Used **T-SQL** for ETL processes, extracting, transforming, and loading data from various sources into MS SQL Server databases.
* Developed and maintained complex reports using **T-SQL**, providing actionable insights and supporting decision-making processes.
* Created Application Pools in the **IIS 7** to Bridge the application, where the WCF Services are called from different Projects.
* Used Microsoft Entity Framework Code First approach for the Data Access Layer and defined entities for data access with Microsoft SQL Server.
* Evaluated the user experience (UX) of applications during **UAT**, gathering feedback on usability, intuitiveness, and user interface design to identify areas for improvement and optimization, enhancing user satisfaction and engagement.
* Involved in Experience in Software Configuration Management (Daily Build, Release and Testing methodology) using tools like **GIT and TFS**.
* Perform automated tests, unit tests (**NUNIT**) and customized load testing for the overall system and the custom API specifically using tools such as **JMeter** etc.
* Implemented CI/CD pipelines using **YAML** syntax in tools like Jenkins and GitLab CI/CD, automating build, test, and deployment processes.

**Environment: .**Net Core, C#, ASP.Net Core, ASP.Net MVC, Visual Studio 2019, Angular 14, TypeScript, HTML5, Bootstrap, Cosmos DB, Web Services, Rest API, Microsoft Azure, Kubernetes, JSON, Agile, Windows.

**Client: Erie Ins, Erie, PA. (Insurance domain) | Mar 2020 to Oct 2021.**

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

**Responsibilities:**

* Used Agile software development environment SCRUM through **Test Driven Development** (TDD) and extreme programming to ensure teamwork, collaboration, and process adaptability throughout the life cycle of the project.
* Design, develop, document, test and debug new and existing software systems and applications large-scale proprietary software for internal and external use.
* Developed interactive and user-friendly **User Interface (UI)** using Bootstrap, HTML5, CSS3, SCSS, SASS, Java Script, Type Script and Angular.
* Developed applications with .Net Technologies like ASP.NET, ASP.NET MVC with Razor, WPF, WCF, Web Forms, Win Forms and Web API.
* Developed and designed web application with the **Angular 10** and WEB API as backed layer by using .NET Core, Angular 10.
* Utilized automated and manual testing tools to verify accessibility compliance, including Axe, Lighthouse, and other accessibility checkers.
* Built services using .Net framework 4.7 and deployed in **Azure Service Fabrics.**
* Performed validations on Web Forms using .Net Validation Controls and Client-Side Validation using Angular10. Developed, improved web user interface for the transaction service developed with Asp.Net Core 6 and deploy service on **Kubernetes (docker image).**
* Automated routine database tasks using **T-SQL** scripts, improving efficiency and reducing manual effort.
* Participated in code reviews and peer reviews of **T-SQL** scripts, ensuring adherence to best practices and coding standards.
* Developed web Application using C# (4,6,7,8), ASP.Net MVC5, Razor View Engine, Entity Framework, LINQ,
* Involved in Developing applications using mark-up and scripting languages XML, JSON, **Kendo**, JavaScript, jQuery, HTML5 and CSS3.
* Developed Restful Services using Web API that are consumed by various Client applications for routing data between different systems. To convert the Entire event flow as a SOA based architecture used **RabbitMQ** as queues and BUS.
* Involved in developing restful APIs using Asp.Net and **Asp.Net Core (2.0)** Web API.
* Worked on **Pivotal cloud foundry (PCF)** and HTTP Event Collector.
* Used Azure components like Service Bus implements a communication system between mutually interacting software applications, **Message Queues**, **Redis Cache** to support data structures such as strings, hashes, lists, sets, sorted sets with range queries.
* Optimized IIS settings to boost performance, employing techniques such as tuning connection limits, request filtering, and adjusting other performance-related parameters.
* Effectively leveraged **Azure APIM gateway** and policies for efficient API Life Cycle management and **OAuth2based JWT token-based security.**
* Integrated **Web APIs** with microservices-based architectures using technologies such as service discovery, message brokers, and API gateways, enabling loose coupling and scalability of distributed systems.
* Executed **NUnit** tests in various development environments, including local development environments and **CI/CD** pipelines, to identify and resolve issues early in the development process.
* Conducted accessibility testing during **UAT** to ensure that web applications comply with accessibility standards (WCAG), enabling users with disabilities to access and interact with digital content effectively, inclusively, and without barriers.
* Implemented solutions to seamlessly integrate **DAM** with other content management systems.
* Used Team foundation Server (TFS) for version control and shelving pending changes of the source code along with the maintenance of the builds and the relevant documents of the same.

**Environment**: .NET Framework 4.7, C#, MVC, Visual Studio, Angular 10, Typescript, HTML5, CSS3, Bootstrap, JSON, REST, Azure, Team Foundation Server, Visual Studio 2019, NUnit, SQL Server 2019, Kubernetes, Agile, Windows.

**Client: Texas Health and Human Services, Austin, Texas. (Health care domain) | Aug 2018 to Feb 2020.**

**Role: Full stack .Net Developer.**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance using Agile methodology.
* Part of Agile development team and involved in planning, and delivery in sprint cycles. Actively participated in conducting scrums and team mentoring.
* Used Microsoft Technologies for the project development such as Visual Studio 2017/15, .Net framework 4.7.2, C# 4.7.2, **SQL Server 2017/16** and TFS 2018.
* Implemented **React** for client-side applications, utilizing HTML, CSS, and JavaScript to deliver positive user experiences and ensure seamless interaction with the software.
* Successfully integrated **HIPAA** compliance measures into React-based healthcare applications, ensuring adherence to regulatory standards for handling Protected Health Information (**PHI**) and safeguarding patient data.
* Used **jQuery** and ASP.NET MVC 3.0 for implementing client-side validations at Controller level.
* Creating the **GET, PUT, POST, APIs** calls in the backend using .NET, C# for making the most part of the application functionality effective and Robust.
* Implemented **PowerShell** Desired State Configuration (DSC) for configuration management and infrastructure as code (IaC) practices, ensuring consistency and scalability across environments.
* Integrated **Jest** tests into continuous integration/continuous deployment (CI/CD) pipelines using popular CI tools such as Jenkins, Travis CI, or Azure DevOps, automating test execution and ensuring code quality and stability with each code change.
* Experienced on Hosting Windows WEB APIs, Asp.Net applications in **IIS** and creating Cloud Instance using **AWS** for deployment in product environment.
* Experienced working on setting up distributed **Kafka** clusters in production environments.
* Experienced in collecting, aggregating, and moving data in and out of various data sources using **Apache Kafka**.
* Developed tables, stored procedures, views, functions, and triggers to perform automated rules, updating related tables in SQL Server.
* Used Microsoft Team Foundation Server (**TFS**) for all the source code maintenance needs.
* Used GIT Repository with VS extensions for version control and source code maintenance needs.
* Implemented Unit Testing. Participated in System Documentation and Code Documentation.
* Contributed to production deployments, including technical documentation, participation in change control processes, and creation of release notes. Communicate effectively with the scrum master, product owners to facilitate understanding of deliverables, prioritization, and required effort.

**Environment**: .Net Framework 4.7, C# .Net, ASP.Net, Microsoft SQL Server 2012/2016, Visual Studio 2017/2019, C#, ASP.NET, MVC 5.2, TFS 2016, User Interfaces, React, WCF 4.0, AJAX, AWS, Entity Framework, Kendo UI, LINQ, XML.

**Client: Canon USA, Columbus, (Retail domain) OH. | April 2017 to July 2018**

**Role: .Net Developer**

**Responsibilities:**

* Involved in requirements capture, design and development of the software exercising **OOAD** techniques.
* Designed and built reusable web components according to **RR Donnelley ACCESS** style guidelines using the MVC framework (Model-View-Controller), HTML5, CSS3, jQuery and support Usability by unit testing and integration testing, support **QA and UAT** testing efforts.
* Used .Net Framework class library to build user interface that separated application logic from presentation code using code behind pages.
* Used ASP.NET for web application development and C#.Net to design web forms.
* Implemented **WCF** services with many endpoints targeting different kinds of users.
* Used **AJAX** Controls and WPF for Effective Look and feel of the web portal.
* Developed **check-in and check-out** procedures for different user levels.
* Designed and developed Web forms in **ASP.NET 4.6** using **C#.Net** implementing Presentation, Business Component and Database access layers.
* Implemented **Angular.js** directives and services to streamline data binding, form validation, and client-side interactions, enhancing overall application functionality.
* Developed WCF Services to integrate with **RESTful** services are implemented using ASP.NET Web API to support light weight data exchange in **ASP.NET MVC UI.**
* Developed Web Forms for User Interfaces using ASP.NET and **C#.NET** using Server Controls, HTML
* Developed applications using JavaScript, jQuery, and Bootstrap to build modern Single Page Applications (SPA). Used Data Reader, Data Set and Data Adapter objects from **ADO.NET** to access relevant data.
* Implemented **SSO** for better customer experience and security across the applications on retrieving the documents and reports.
* Involved in the Design of the Application using ASP.Net, WCF, Entity Framework, LINQ to SQL
* Involved in design and development of middle tier web services which encapsulate the business logic in its methods and wrote data access classes using ADO.Net.
* Utilized Entity Framework technology extensively for data retrieving and manipulation using **LINQ**.
* Co-developed **SOP** module for emergency and contingency management.

**Environment**: C#, ADO.Net, AJAX toolkit, ASP.Net, WCF, WPF, Validation control, HTML, CSS, XML, MS Visual Studio 2008, MVC, SQL Server, Windows.

**Client: Thomson Reuters, Hoboken, NJ. (Finance domain) | July 2015 to Mar 2017**

**Role: .Net Developer**

**Responsibilities:**

* Involved in the Design, Coding, and Implementation using Visual Studios 2005.
* Responsible for designing databases and modifying designs from legacy systems.
* Implemented validation using validation server controls and **JavaScript**.
* Designed and developed **React.js** components for financial data visualization, providing users with intuitive tools for analysing complex datasets.
* Extensively worked with **C#. NET** for creating classes of this application and Integrated with **ASP. NET** pages.
* Expertise in C#.NET, leveraging its features for server-side development and building robust applications on the .NET framework.
* Utilized ADO.NET and Entity Framework for seamless interaction with databases.
* Configured and implemented .NET Class Framework environment along with the application.
* Wrote database components to access the Database using **ADO. NET.**
* Involved in developing **XML** web services to implement the functionality.
* Wrote Listener Service Component to import data from the external file.
* Created Stored Procedures and triggers to perform automated rules, updating to related tables in **MS SQL**.
* Created Jobs and **DTS** packages.

**Environment:** ASP. NET, C#. NET, React.js, ADO. NET, SQL Server 2005, Web Services, Crystal Reports, Source Offsite, and JavaScript, VS 2010.

**Client: H&R Block, Dallas, TX. (Finance domain) | March 2013 – June 2015**

**Role: .Net Developer**

**Responsibilities:**

* Involved in requirements capture, design and development of the software exercising **OOAD** techniques.
* Used **ASP.Net** validation control for the server-side validation.
* Used .Net Framework class library to build user interface that separated application logic from presentation code using code behind pages.
* Used **ASP.NET** for web application development and C# to design web forms.
* Implemented WCF services with many endpoints targeting different kinds of users.
* Used **AJAX** Controls and **WPF** for Effective Look and feel of the web portal.
* Used **WCF** for data communication for the web application and the databases.
* Developed check-in and check-out procedures for different user levels.
* Designed and implemented security modules for different user levels for data access and updates.
* Co-developed **SOP** module for emergency and contingency management.
* Wrote stored procedures for account management and authorizing.

**Environment**: C#, ADO.Net, AJAX toolkit, ASP.Net, WCF, WPF, Validation control, HTML, CSS, XML, MS Visual Studio 2008, MVC, SQL Server, Windows.