**KAVULURI HARISH**

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**Role –** Sr .Net Developer **Linked In -** [**https://www.linkedin.com/in/harish-kavuluri/**](https://www.linkedin.com/in/harish-kavuluri/)

**Professional Summary**

* Highly motivated **IT** professional with progressively responsible experience of around 10 years **in development, testing, documentation & production support customized applications**.
* Expertise in designing and developing web-based and windows-based applications in Visual Studio using **ASP.Net, , C++ , C#.Net, ADO.Net, Entity Framework, LINQ, Web Services, VB Script, JAVA Script, Bootstrap HTML, XML.**
* Skilled in developing user interfaces (UI) using various technologies, including HTML5, React JS, Silverlight, CSS3, Java Script, XML, J Query, XHTML, JSON, AJAX, **JavaScript** TypeScript, **Bootstrap** Angular JS, and Web UI applications.
* Developed, Configured, and Deployed a variety of .NET Framework Applications including **Web Forms, Web Services, and Console applications.**
* **LINQ** experience of working with Datasets, Objects, Entities as well as **ADO.NET** Entity Framework.
* Experience in building Web services using **Web API** and performing **CRUD** operations using **REST API**.
* Extensively worked in writing **SQL queries, Stored Procedures, Database Triggers, Cursors, Exception Handlers, and DTS Export & Import. Experience in Object Oriented Design Methodologies (OOD), Unified Modelling Language (UML)**
* Experience developing different types of azure functions such as Http trigger, Timer trigger, Durable functions, Service bus trigger, Event-Hub trigger, and many others.
* Good knowledge of **Microservices, AWS (Amazon Web Services), working with EC2, RDS, Dynamo DB, S3, Cloud watch and Docker.**
* Implemented **RESTful APIs** and Web Services for clients with the Microsoft Web API framework.
* Involved in development of application on Azure server by creating packages through **Visual Studio, PowerShell, and Azure Portal.**
* Experience with **NoSQL MongoDB** in working with collections, indexes, shards, and other database management tasks.
* Experience in designing and implementing infrastructure as code and **CI/CD pipeline** for deployments of web applications.
* Involved in Unit Testing, functionality testing, integration testing, Automation testing, End-to-End testing using the concepts of **JUnit, Selenium Web, Jasmine, Selenium API, AccelQ.** Both Manual and Automation testing were performed during the tenure

**TECHNICAL SKILLS**

**Languages**: C++, C#, .NET, SQL, PL/SQL, VB.NET, T-SQL, Python, Perl, PHP

**Web Technologies**: ASP.NET, MVC, Core, Web API, WCF, HTML5, CSS3, JavaScript, TypeScript, Angular, React JS, Bootstrap, AJAX, jQuery, JSON, XML, Kendo UI, KnockoutJS, Razor

**Cloud Services**: Azure (DevOps, Functions, App Services, Kubernetes, CosmosDB, Service Bus, Event Hub), AWS (EC2, RDS, DynamoDB, S3, CloudWatch)

**Databases**: MS SQL Server, MongoDB, Oracle 11g, MS-Access

**Tools**: Visual Studio, SQL Server Management Studio, TOAD, Docker, Kubernetes

**Testing**: MS Test Suite, NUnit, Moq, Selenium, Jasmine, XUnit, Karma

**PROFESSIONAL EXPERIENCE:**

**NATIONWIDE INSURANCE, COLUMBUS, OH May 2021 – Till Date**

**Role - Sr.Net Developer**

I am currently working at Nationwide Insurance on integrating the Billing Centre, Policy Centre, and Claim Centre modules, which respectively handle billing, policy management, and claims processing, streamlining insurance operations into a cohesive system.

**Roles and Responsibilities:**

* Development in Agile-Scrum Methodology to ensure quality in a fast-paced environment.
* Developed the application using **C#, ASP.NET Core, JavaScript , TypeScript, HTML, CSS, Angular, Bootstrap and SQL Server** in Micro Services Architecture.
* Proficient in utilizing **Angular Material components** to create consistent and responsive UI designs.
* Implemented Web RESTful APIs for seamless front-end and back-end communication.
* Managed the full **software development lifecycle, employing Agile methodologies** and CI/CD pipelines with **Azure** DevOps for efficient delivery.
* Employed **Dependency Injection (DI)** with Services and Factories in Angular and **ASP.NET Core and ASP.NET Web Forms**.
* Utilized **Entity Framework Core 6.2 (EF Core)** for data access in .NET Core API applications.
* Designed and developed web applications using **ASP.NET MVC 5.0 and C#** for internal users.
* Created custom Angular 13 components and integrated them with various Angular libraries to meet application requirements.
* Developed interactive and responsive web applications using **Blazor**, leveraging the power of C# and .NET to build modern and dynamic user interfaces.
* Implemented server-side **Blazor applications**, utilizing the Razor component model to create dynamic and data-driven web pages.
* Proficient in **Python 3 programming language**, with a strong understanding of its syntax, data structures, and core concepts.
* Experienced in developing **Python-**based applications, scripts, and tools for diverse purposes, including automation, data analysis, and web development.
* Demonstrated proficiency in leveraging **Azure cloud services** for application development and deployment, including but not limited to Azure App Services, Key Vault, Azure Functions, Azure Container Registry, Kubernetes Service, Azure Container Apps, CosmosDB, Service Bus, Event Hub, and Redis.
* Experience working with **Azure DevOps** for agile project management and collaboration, including **Azure** DevOps Boards for issue tracking, task management, and project visibility, as well as Azure DevOps Pipelines for continuous integration and delivery (CI/CD) automation.
* Hands-on experience designing, architecting, and deploying cloud-native applications on **Azure**, utilizing services like Azure App Services, **Azure** Kubernetes Service (AKS), **Azure** Container Apps, and Azure Container Registry for scalable and resilient cloud solutions.
* Worked with **SQL** Server as data Repository, Used **LINQ to SQL together with Entity Framework Core**.
* Implemented **RabbitMQ and Kafka** as a message broker for decoupling and asynchronous communication between microservices, improving system scalability and resilience.
* Proficiency in using tools like Docker Compose and **Kubernetes YAML** manifests to define infrastructure and application configurations as code, enabling reproducibility and automation.
* Developed integration test cases using **Jasmine**, **XUnit** , **NUnit** , **Integration tests, Test-Driven Development (TDD)** and Fluent Assertions.
* Implemented **Kubernetes** and **CICD** Pipeline to deploy applications to cloud using **Azure DevOps** and PowerShell scripts.

**MOLINA HEALTHCARE, BOTHELL, WA November 2018 – April 2021**

**Role – Lead .Net Developer**

**Roles and Responsibilities:**

* Developed healthcare applications while ensuring strict adherence to **HIPAA** standards, protecting sensitive patient data, and ensuring data privacy and confidentiality.
* Implemented **FHIR** standards to enable seamless data exchange between healthcare systems, ensuring interoperability and efficient data sharing across different platforms.
* Developed web application implementing **razor view engine, view, partial view, models, and layout view using ASP.NET MVC , ASP.NET Web Forms, HTML5, CSS, JavaScript, jQuery and Bootstrap.**
  + Created and consumed services in Web **RESTFUL** API for CRUD operations using **HTTP methods** (**GET, POST, PUT, and DELETE**).
  + Used Angular CLI and npm to generate components, services, and manage project dependencies (bootstrap, jQuery).
  + Implemented **CI/CD pipelines** using **Microsoft** **Azure DevOps**, streamlining deployment processes, and ensuring rapid delivery of features.
  + **Skilled** in managing and securing electronic health records (EHRs) and other healthcare data systems, implementing **FHIR** standards for efficient data exchange while maintaining compliance with **HIPAA** regulations.
* Utilized **Microsoft** **Azure App** Configuration and Key Vault services to securely store application secrets.
* Leveraged **Azure Functions** HTTP Trigger for Email communication and **Azure Service Bus** for messaging.
* Handled both **XML** and **JSON** serialization and deserialization.
  + Created a responsive and user-friendly front-end using Angular 13, HTML5, CSS3, **TypeScript, jQuery, Bootstrap4, CSS, and Knockout JS.**
  + Employed **AJAX** for seamless asynchronous data retrieval and updates to enhance the user experience.
  + Developed the backend of the customer-facing website using **C#** and .**NET Core 5.0,** **ASP.NET Web Forms**, ensuring high performance and robust server-side functionality.
  + Implemented server-side logic, including data processing, business rules, and database interactions using **LINQ, WCF, SQL Server**, and **Entity Framework.**
  + Worked extensively on Angular components, routing, HTTP services, form validation, and error handling.
  + Proficient in ASP.NET framework, with extensive experience in developing web applications using ASP.NET MVC, ASP.NET Web Forms, .NET Core, and ASP.NET Core
  + Responsible for Designing and Developing the Reusable UI Components Like MVC Master Pages ‘Layouts and Nested Layouts’, ‘View Start’ and MVC 5.0 and SOA User Controls ‘Partial Views’.
* Used HTML, Typescript, jQuery, Bootstrap 3, Data Serialization and Deserialization.
  + Implemented data access layer using **C# and Entity Framework 6.0** for database operations.
  + Employed Agile/Scrum practices and **Test-Driven Development (TDD)** for reliable software development.
  + Developed complex database objects like **Stored Procedures**, Functions, Packages, and Triggers using SQL Server.
  + Designed and implemented event-driven systems using **RabbitMQ and Kafka** for real-time data processing, event sourcing, and event-driven microservices communication.
  + Used **NuGet JS** and **CSS** libraries to **install KendoUI.**
  + Utilized **POSTMAN** for testing both Web **RESTFUL** API and Angular applications.
  + Developed and deployed **SSRS** reports on report servers.
  + Conducted basic integration, **XUnit** , **Jasmine, Karma** and smoke testing in the **Test-Driven Development (TDD)**.
  + Wrote test cases in **XUnit** ,**Jasmine, Zafar , Karma** and assisted with system testing for the **QA** team in **Test-Driven Development (TDD)**.
  + Knowledge of container security best practices and tools such as Docker Security Scanning, image signing, vulnerability scanning, and runtime security monitoring to ensure secure container deployments.
  + Used **JIRA** for defect tracking and **CONFLUENCE** for documentation.
  + Managed and resolved **Git**-related issues and conflicts, demonstrating a strong problem-solving ability and a commitment to code quality.

**STATE OF TENNESSEE, MEMPHIS, TN April 2016 – October 2018**

**Role: Sr. Net Developer**

**Roles and Responsibilities:**

* Collaborated in a team to design and develop a 3-tier web application using **ASP.NET** in an **AGILE-SCRUM** environment.
  + Designed web applications with **ASP.NET MVC 4.0 , ASP.NET Web Forms and Angular**, following the Model-View Controller pattern.
  + Responsible for UI design with **JavaScript, Bootstrap, TypeScript ,HTML5, and CSS3** to enhance the user experience.
  + Utilized modern JavaScript frameworks and libraries such as **AngularJS** for creating **Single-Page Applications** (SPA) using concepts like Dependency Injection, two-way binding, Promises, Services, Scope, Controllers and Directives.
  + Implemented routing and navigation in **Angular** applications for smooth transitions between different sections of the website.
  + Implemented the web pages using master pages and integrated controls like Data Grid and Data List with ASP.NET.
  + Developed **ASP.NET Core RESTFUL** **Web API** based on business requirements and specifications.
  + Implemented REST APIs with **Microsoft** **Azure** service fabric stateless Microservices using ASP.NET Core 3.1.
  + Incorporated **AJAX** for responsive partial page post-backs.
  + Familiarity with **Microsoft Azure DevOps** features such as dashboards, reports, and integration with other Azure services for comprehensive project monitoring and reporting.
  + Created Object Models, Controllers and used using Kendo UI or Razor for UI.
  + Managed ASP.NET features, including Exception Handling and Custom Error Messages. Worked on the creation, transmission, and consumption of WCF and Web Services.
  + Utilized ASP.NET Validation controls and custom **JavaScript** to ensure data validation on the client-side.
  + Developed the data layer with ADO.NET and enhanced database functionality by creating **stored procedures** and triggers using **DDL** and **DML**.
  + Created Stored Procedures **PL/SQL** statements functions to manipulate the databases. Worked with **SSIS** Package and **SISS** Import/Export for data transfer between databases.
  + Utilized NUnit, **XUnit** , **Karma** and **Jasmine** for integration testing to verify the interactions between various components of the software system in **Test-Driven Development (TDD)**.

**GRAPE SOFT SOLUTIONS HYDERABAD, INDIA October 2014 – January 2016**

**Role - .NET Developer**

**Roles and Responsibilities:**

* Developed a dynamic front-end **using HTML, TypeScript,CSS, and JavaScript** on ASP.NET MVC framework.
  + Implemented **REST API's** with AWS service fabric stateless Microservices using **ASP.NET Web Forms and ASP.NET Core**.
  + Upgraded **PL-SQL** packages, stored procedures, and functions in various applications.
  + Developed critical WCF-based web services delivering response XMLs for multiple systems.
  + Implemented **LINQ** queries for efficient database access and streamlined file operations and XML handling.
  + Designed **SQL** queries for **SSRS** and Crystal Reports, improving query performance through the implementation of indexing.
  + Prepared user manuals, training materials, installation guides, reports, and functional descriptions.

**AVON TECHNOLOGIES PVT LTD HYDERABAD INDIA May 2013 – September 2014**

**Role - Software Developer**

**Roles and Responsibilities:**

* + Developed applications using N-tier methodology and adhered to Agile practices.
  + Designed and developed web forms using **ASP.NET, ADO.NET, C#, TypeScript, JavaScript, and HTML.**
  + Utilized ADO.NET Entity Framework 4.0 to connect to the database and manage database transactions.
  + Developed stored procedures, triggers, and functions for data operations on SQL Server 2008.
  + Conducted unit , **Jasmine** and **Integration testing** on specific modules, utilizing debugging and tracing features in Visual Studio.NET and **Test-Driven Development (TDD)**.

**Education details:**

K L University June 2009 - Apr 2013

Electronics and Communication Engineering