##### Kavya

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**Professional Summary:**

* Software engineer with **12 years** of hands-on experience in designing, developing, and deploying robust software solutions. experience in developing Web and Windows-Based Applications using **.Net technologies** and **Azure technologies**.
* Worked as an individual contributor and as a team member of a small team in ‘Scrum and Sprint’ based in a fast-paced Agile development environment.
* Expertise in **.Net Core 6.0, C#, ADO.NET, UML, XML, .NET framework 4.8, Visual Studio 2022, EF Core, ASP.NET, ASP.NET MVC, AJAX, SQL Server, MySQL, LINQ** ensuring comprehensive development capabilities across various platforms and frameworks.
* Hands on experience with Source Code Control Systems like **GIT, AZURE DevOps**, and Microsoft TFS.
* Knowledge of using **AZURE DevOps** for Continuous Integration / Continuous Deployment (CI-CD).
* Excellent knowledge of Object-Oriented Program (OOPS), Design Patterns and UML.
* Experienced in database related work primarily creating complex stored procedures, Views, Triggers and Functions in **SQL-Server 2022, MySQL**.
* Extensive working experience with different methodologies like **Agile (Scrum)**, Test-driven development (TDD) and Waterfall methodologies.
* Proficient in developing RESTful services that adhere to **Microservice Architecture** principles, leveraging expertise to create scalable and modularized software solutions.
* Extensive work experience in unit testing framework – **NUNIT, MS Test, MOQ**.
* Expertise in Azure cloud services, specializing in Compute, Storage, Databases, Security, and Developer Tools. Adept at leveraging **Azure Functions, Azure App Service, Azure Blob Storage, Azure SQL Database, Azure Redis Cache, Azure Key Vault**.
* Utilized **Azure Serverless Functions** to orchestrate HTTP Triggers and custom Blog Triggers, efficiently processing events for subscribed.
* Performed peer review and technical code review to ensure the coding standards agreed with clients.
* Proficient in prioritizing and multitasking tasks to perfection, thriving in high-pressure environments. Possessing strong teamwork and individual work capabilities, coupled with excellent communication, interpersonal, analytical, and problem-solving skills.

#### Skills:

#### Backend : .NET Core, C#, EF Core, Dapper, ASP.NET, ASP.NET MVC, ADO.NET, LINQ.

#### Database : SQL Server, MySQL, Redis DB.

#### IDE and Tools : Visual Studio 2022, ReSharper, Jenkins, Swagger, Postman, Fiddlers, SoapUI, Style Cop, Sonar Cube.

#### Log/Troubleshooting : Azure AppInsights, Dynatrace, AppDynamics, Kibana, Splunk.

#### Cloud : Azure Functions, Azure App Service, Azure Blob Storage, Azure SQL Database, Azure Cosmos DB, Azure Redis Cache, Azure Key Vault, Azure Service Bus Queues, Azure Logic App.

#### Scheduler : Quartz Scheduler.

Modeling Tools : MS Visio 2003.

Version Control : AZURE DevOps, GIT.

#### Education:  Bachelor of Technology in Computer Science, Sri Venkateswara University, Tirupati

#### Professional Experience:

**Rig Dashboard - Halliburton, US Jul 2023 – till date**

Software Development Engineer

**Description:**

The dashboard serves as a visual tool for monitoring critical performance metrics for Halliburton. It displays real-time data related to production, safety, maintenance, and financial aspects. Key components include visualizations (charts, gauges), filters for data exploration, alerts for threshold breaches, and historical trends. Rig managers and executives can access the dashboard, which enhances decision-making, operational efficiency, and safety.

**Responsibilities:**

* Involved in requirements analysis & collaborate with Technical/Solution Architects to produce software design, architecture and technical design document.
* Design and develop N-Tier RESTful services using ASP.Net Web API & .Net Core with unit testing.
* Design and develop the core components NuGet packages using .Net Standard & framework library to form the business logic layer.
* Implemented CI/CD in Azure for .Net core web APIs.
* Implemented Dashboard for APIs using Swagger and Unit testing with MOQ.
* Design schema and mapping information with data definitions, data models, data flow diagrams using enterprise data standards in MS SQL.
* Used AZURE App services to manage Micro Services.
* Used AZURE DevOps for Project management.
* Implemented AZURE serverless functions.
* Used Execution Plan, SQL Server Profiler to trace the slow running queries and tried to Optimize SQL queries for

improved performance and availability.

* Attending daily stand-up meetings which are followed as part of Agile methodology and discussion with the Business

team for getting clarification on business logics/implementation.

* Involved in Deployment and Troubleshooting issues in the application.

**Environments**: ASP .Net Core, C#.Net, AZURE DevOps, Postman, GIT, MS SQL, and Windows.

**Pennsylvania Department of Environmental Protection, PA, USA Mar 2022 – Jun 2023**

Software Development Engineer

**Description:**

Electronic permitting (ePermitting) system has been designed to help and accept online application permits for

its various bureaus come under DEP. The Department of Environmental Protection's mission is to protect Pennsylvania’s air, land, and water from pollution and to provide for the health and safety of its citizens through a cleaner environment. A crucial part of the department’s safety initiatives is through the review and approval of environmental permits to preserve the vast array of land, water, and air. In alignment with Governor Tom Wolf’s direction to resolve the large wait times for permit requests, the DEP undertook a comprehensive review of the permitting process. The goal of the review was to identify opportunities for modernizing permitting processes that would foster a reduction in permit backlogs while better utilizing technology for improved oversight and efficiencies.

**Responsibilities:**

* Involved in requirements analysis & collaborate with Technical/Solution Architects to produce software design, architecture and technical design document.
* Design and develop N-Tier RESTful services using ASP.Net Web API & .Net Core with unit testing.
* Design and develop the core components NuGet packages using .Net Standard & framework library to form the business logic layer.
* Responsible for creating new tables, views and stored procedures in the MS SQL database and updating the entity

framework to reflect the new changes for other team members.

* Working on Service Oriented Architecture (SOA) and updated the service for new methods and created new service

functions using Web API. Responsible for updating and fetching data in the eFacts system.

* Perform application design, development and deployment based on industry’s best practices and resolve application

defects and issues in a timely manner.

* Implemented CI/CD in Azure for .Net core web APIs.
* Implemented Dashboard for APIs using Swagger and Unit testing with MOQ.
* Design schema and mapping information with data definitions, data models, data flow diagrams using enterprise data standards in MS SQL.
* Used AZURE App services to manage Micro Services.
* Used AZURE DevOps for Project management.
* Participates in structured code reviews / walkthroughs and using the VSTS for managing the work items and TFS

version control tool to check in the source code.

**Environments**: ASP .Net Core, ASP .Net MVC, C#.Net, AZURE DevOps, Postman, GIT, .Net Framework 4.5, Entity Framework, Service Oriented Architecture (SOA), Web API, Microsoft SQL Server 2008, and Windows.

**INTERAC - TX, USA Apr 2021 – Feb 2022**

Software Development Engineer

**Description:**

INTERAC is a versatile CRM tool designed for industries such as construction, contracting, hospitality, and small to medium-sized service-based businesses. It offers features like payroll, job and equipment costing, depreciation, accounts payable and receivable, general ledger, and document management. Additionally, it integrates seamlessly with other business software like ERP, HRMS, and accounting systems. INTERAC enhances operational efficiency, financial accuracy, and decision-making while reducing manual efforts and errors. It supports regulatory compliance and scalability, making it ideal for businesses aiming to streamline processes and achieve growth. By centralizing and automating various business functions, INTERAC optimizes overall business management.

**Responsibilities**:

* Actively participated in Agile ceremonies.
* Analysis of the specifications provided by the clients and regular client interactions in order to understand the client

requirements.

* Involved in requirements analysis & collaborate with Technical/Solution Architects to produce software design, architecture and technical design document.
* Worked on Stored Procedures and Temporary tables to access the various kinds of data from SQL Server 2014.
* Design and develop RESTful services using ASP.Net Web API & .Net Core with unit testing.
* Implemented ORM using EF Core.
* Used AZURE DevOps for Project management.
* Responsible for database design and development of stored procedures.
* Involved in coding and code reviews.
* Involved in build and deployment of application

**Environments**: ASP .Net Core, .Net Framework 4.5, C#, ASP.NET 4.5, SQL Server 2014, C#.Net, AZURE DevOps, Postman, GIT, and Windows.

#### Virtual Deal Review – General Electric Aug 2018 - Sep 2019

Software Development Engineer, (Client - GE Aviation)

**Description:**

 Virtual Deal Review (VDR) is a Digital Product to digitize and standardize Deal Review inputs and provide readily available analytics to help determine the health and competitiveness of a deal.  Ultimately it should lead to better pricing decisions, shorten deal cycle time and allow for easier Deal Review flow and approval.

#### Smart Price Engines - General Electric Jul 2018 – Sep 2019

Software Development Engineer, (Client - GE Aviation)

**Description:**

 Smart Price Engines (SPE) is a tool where the quotes taken from Salesforce are priced for the engines based on each part. When GE signs a deal it makes an entry in the application and calculate all the costs of operations plus parts and everything. These engines are sold without service agreement and engines with service agreement are listed down to another tool. It has various business parameters which is sent to Virtual Deal Review for better pricing decision.

#### OMD Mobility (EOA Mobile App) - General Electric May 2016 – Jun 2018

Software Development Engineer, (Client - GE Transportation)

**Description:**

Operations Maintenance and Decisioning is an application platform that provides the ability to remotely monitor the health of assets, analyze performance and failure data, and provide actionable, consistent, and repeatable repair

recommendations. The system delivers functionality to gather & ingest diagnostic data from multiple sources including customer feeds, bulk downloads, or real-time acquisition methods provided by GE engineering. The knowledge management module allows for data mining, investigation, and analysis.

#### Jiff Mobile App - General Electric Nov 2015 - Apr 2016

Software Development Engineer, (Client - GE Digital)

**Description:**

 The Jiff Health Benefits Mobile App provides users with access to a variety of tools and resources aimed at improving personal health goals. Powered by Jiff, the app offers customized features tailored to individual needs. Users can utilize the app to target specific health behaviors such as nutrition, steps, and sleep tracking.

In addition to tracking health metrics, the app offers social features that allow users to connect with family and friends. These interactive features create a supportive environment for users to engage with others on their health journey.

#### User Based Insurance (UBI) – Electric Insurance Company Jan 2014 – Oct 2015

Software Development Engineer, (Client - GE)

**Description:**

 Usage-based insurance (UBI) also known as pay as you drive (PAYD) and pay how you drive (PHYD) and mile-based auto insurance is a type of vehicle insurance whereby the costs are dependent upon type of vehicle used, measured against time, distance, behavior and place. Based on the scores that the driver gets by using this UBI App driver will be provided with a discount.

#### IRIS - Image Retrieval Integrated System            Jul 2012 – Dec 2013

Software Development Engineer, Capgemini (Client – Royal Bank of Canada**)**

**Description:**

 Basically, the project IRIS is an image retrieval integrated system that helps us to retrieve the stored images. Banks usually used to save their cheques, drafts, ATM transactions etc., for minimum up to 7 years. IRIS is used to retrieve that stored images from storage disk or from magnetic tape.