**Pavan Kumar Segu**

 **AWS Certified Senior DOTNET (Full Stack) Developer**

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**PROFESSIONAL SUMMARY**

* **11 Years** of experience in design, develop, build and manage solutions in **Microsoft Dotnet, Dotnet Core, Kubernetes, Helm chart, Docker, Azure DEVOPS, knockout, Jquery, javascript, Elastic search, Redis cache**  technologies.
* Worked on all the Front-End & Back-End web development functions using Microsoft Dot Net Technologies and Design the architecture of the entire application.
* Experienced in web application design and development using multiple versions of .NET Framework including **ASP.NET MVC with C#**.
* Experience on Implement **Microservices** using **.Net Core with C#** and Implemented **Multi-tenant Microservices** in **.Net Core**.
* Expertise in **Asp.Net Core** to Implementation.
* Experience on Implement Multi-Tenant **Microservices** using **.Net Core with C#**.
* Experience in various AWS services like **EC2, S3, ELB, CloudFront, ECS and Lambda**. Experience in setting up VPC's**, Internet Gateways, NAT, VPC Peering and Bastion servers**.
* Experience in creating **Docker** files and deploying **Docker** images into **AWS ECR** and building Tasks and clusters in **AWS ECS.**
* Sound experience of **Agile / scrum** methodology and the entire SDLC.
* Excellent exposure of **Design Patterns** and **SOLID** Principles
* Managing multiple offshore development teams, taking accountability for product development and delivery.
* Writing the design documents, coming up with LOE, handling the project and ticket escalations during the project development life cycle.
* Holding biweekly internal and external meetings to ensure the development is on track.
* Having Very good Experience in **Kafka** Streaming using .Net like use Confluent Kafka in .Net libraries.
* Development and Deployment of Provider-Host Apps in Azure
* 3+ years of experience in Azure for system Deploying, Operating and Maintaining compute, network and storage in the Microsoft Azure environment using Microsoft Technologies. Azure
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services
* Involved in various Phases of Software Development Life Cycle (**SDLC**) i.e., Analysis, Design, Development, Implementation, Testing TDD, MS Unit Test and User Training of Enterprise Web-Applications, Stand alone and Distributed applications
* Experience working with **Google Cloud Platform** Products like Kubernetes Engine, File Store, Bigtable, SQL, Cloud Build and use of matrix APIs to find latitude and longitude.
* Experience in **Kubernetes Engine** for Deployment and knowledge on Clusters, Workloads, Services & Ingress.
* Experience in CI/CD Pipeline to Create end-end like Integrating GitHub repositories in Triggers.
* Strong experience with SQL Server and T-SQL in constructing **stored procedures**, DDL /DML triggers, tables, user functions, joins, views, indexes, user profiles, relational database models, data dictionaries, exceptional handling, and data integrity.
* I have good experience in Kenan and IMPOS billing Systems.
* Having a very good experience with Client communication.
* Having a Very good Experience in **Telerik Controls**.

*Education Details:*

* **Bachelor’s in computer science, JNTU Hyderabad: May 2010**

**TECHNICAL SKILLS**

| **Tools and Packages** | SQL Server Management Studio, Visual Studio 2010/2012/2015,Team Foundation Server, GitHub,Visual Source Safe, JIRA, Docker, SVN, SOAP UI |
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| **Programming Languages** | .NET CORE, C#.Net, VB.Net, MVC4, T-SQL, PL/SQL, HTML5,Angular, Bootstrap, Java Script, jQuery, ASP.NET, ADO.NET, MVC, LINQ, WCF, Telerik Controls, Restful ServicesWeb API, Bootstrap, Microservices |
| **Databases & Tools** | SQL Server 2008,2008R2,2010,2012,2014, MYSQL, MongoDB |
|  | **Cloud Hosting Tools** | Azure Devops, AWS (Amazon Web Services) |

**PROFESSIONAL EXPERIENCE**

**Sept 2019 – Present Incus5 Inc, Arizona**

**Dotnet Lead /Senior Dot Net Developer**

**Project:** Retail Portal

**Description:**

 Maxis is one of the biggest telecom providers in the country with more than 14 million subscribers. Maxis provides a variety of mobile communication products and services. They offer prepaid & postpaid call plans, monthly subscription plans, Contracts, Residential Fixed Line services, Broadband Internet plans, 3G and 4G services to both prepaid and postpaid subscription customers. Maxis Online Portal (Mobility) for Maxis Retail operations to register new and existing customers of Maxis.

**Responsibilities**

* Developed .Net Core Microservices for subscriber information to send to Kenan team and maintain the security.
* Managing the offshore development teams, communication and taking accountability of workflow and product delivery
* Used **KendoUI** controls for all maxis customer information and modulated with jQuery.
* Involved in developing web applications using ASP.NET Core, MVC 5 and designed and developed front end using JavaScript, jQuery and **AngularJS**, Bootstrap etc.
* Responsible for designing Azure Repos as code repository and creating Azure Pipelines for continuous build and deployment.
* Experience in configuring SonarQube Code Quality gateways and integrating SonarQube into Azure pipelines.
* Used Model level and JavaScript to perform server side and client-side validations.
* Responsible for setting up of services like EC2, S3, ELB, CloudFront, ECS, Lambda in AWS
* Responsible for creating Lambda jobs in AWS to fetch the information from the Veeva Vault System.
* Responsible for building containers in AWS ECS and pushing docker images to ECR.
* Involved in database design on SQL Server and development of different database objects containing functions, triggers, store procedures to manipulate databases of the application.
* Supporting Team Members by helping them to understand the Functional flow of the Product and solving technical issues.
* Implemented different data formatters capabilities and publishing to multiple **Kafka** Topics.
* Using **Redis** Cache to Reusable & Small Potential data.
* Using **GCP Kubernetes** to Deploy all the **Microservices**.
* Developed the CR’s and supported in UAT signoff and involved in deployment time.
* Completely involved in the project development life cycle to ensure the committed tollgates are met.
* Used TFS (Team Foundation Server) for version control & GitHub and to follow agile scrum process.
* Analyze with Kenan Team and Web Methods Team in business requirements gathering.
* Understanding and mapping of Requirements and Functional Specifications of Application
* Setting up with the POS team and SAP team for getting the services and implementing the requirements specification in iSell.
* Identifying the gaps and fixing it during the escalation process of project testing and prod issues.
* Implementing RDBMS concepts and good understanding of database schemas.
* Experience of handling queries using .NET 3.5 LINQ components and the Entity Framework.
* Developed data access layer that supports connections to multiple databases using Entity Framework
* Used LINQ to SQL (object relational mapping) for integrating data validation and business logic rules into data model
* Used ADO.NET components like Connection, Command, Data Adapter, Dataset, Data Reader and binded data to Grid View and Details View
* Involved in improvement of optimized query performance by creating Indexes

**Technologies:** Asp.Net Core,Microservices,AWS,MVC, AngularJs,Rest API, Docker, C#.Net, SOAP UI, JavaScript, jQuery, Telerik controls, ADO.Net,Kenan, POS, Bootstrap, SQL Server 2008

**September 2016 – Aug 2019 Astro, Malaysia**

**Senior Software Developer**

**Project:** Service Delivery Platform (SDP)

**Responsibilities**

* Design Application Architecture Design and Implemented all WCF Services.
* Developed multiple microservices using C#.Net and along with Deployed in IIS & AWS using Kubernetes.
* Involved in database design on SQL Server and development of different database objects containing functions, triggers, store procedures to manipulate databases of the application.
* Supporting Team Members by helping them to understand the Functional flow of the Product and solving technical issues
* Involved in Development and Testing activities; Code migration from DEV to QA to PROD environments
* Handled source system analysis, data profiling, and content analysis by using Information Analyzer.
* By using Information Analyzer validated data rules evaluation that tests the integrity of the data in a specific business organization, as well as looking at process context across columns
* Handled XML files.
* Developed the middle tier business logic components using ASP.Net MVC 4.0 and C#.NET as the programming language
* Involved in consuming Web API (Application Program Interface) for client-side web application.
* Used JavaScript for client-side validations for immediate response from the browser to the End User.
* Experience of handling queries using .NET 3.5 LINQ components and the Entity Framework.
* Developed data access layer that supports connections to multiple databases using Entity Framework.
* Used LINQ to SQL (object relational mapping) for integrating data validation and business logic rules into data models.

**Technologies:** C#.Net, WCF, Asp.Net, MVC,ADO.Net, Aws, DynamoDB, SQL 2012**.**

**April 2013 – Aug 2016 Astro, Malaysia**

**Senior Software Developer**

**Project:** SMS Gateway System

**Responsibilities**

* Design Application Architecture Design and Implemented all WCF Services.
* Developed multiple microservices using C#.Net and along with Deployed in IIS & AWS using Kubernetes.
* Involved in database design on SQL Server and development of different database objects containing functions, triggers, store procedures to manipulate databases of the application.
* Supporting Team Members by helping them to understand the Functional flow of the Product and solving technical issues.

**Technologies:** C#.Net, WCF, SQL, AWS.

**Sep 2012 – March 2013 Karvy Computershare Pvt. Ltd, India**

**Software Developer**

**Project:** Finnet360

**Description:**

Finet360 is playing a key role in Karvy Organization and financial Transactions done by Karvy and Cams. Finet360 is the leading-edge internet platform from Karvy to support the financial advisors to redefine their business paradigm. This tool is primarily aimed at cutting the geographic and communication barriers to aid the distributors to optimize their time and effort involved in acquiring, advising and servicing their clientele. Aggregate the portfolios across various investment vehicles and provide single click view of investments and directly connect to Karvy TA platform to register financial and non-financial transactions.

**Responsibilities:**

* Designed and implemented Data access layer Creation of WCF Service using ADO.NET to connect and retrieve database information.
* Used .Net Validation Controls and JavaScript to perform server side and client-side validations
* Involved in database design on SQL Server and development of different database objects containing functions, triggers, store procedures to manipulate databases of the application.
* Supporting Team Members by helping them to understand the Functional flow of the Product and solving technical issues.

**Technologies:** Ajax, C#.Net, ADO.NET, WCF, JavaScript, SQL Server 2008

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**April 2010 – Aug 2012 Karvy Computershare Pvt. Ltd, India**

**Software Developer**

**Project:** ERP (Enterprise Resource Planning) – Data Conversion, Integration, MIS Reports

**Description:**

 This project involves the data conversion from old database to new database, Migration of client database to server database, and generating MIS Reports.

**Responsibilities:**

* Designing, developing (enhancing), and managing the web-based application.
* Developed an application to load data from old database to new database.
* Developed a web application to migrate the database changes from client database to server database.
* Using ADO.NET to interact with the MySQL database.
* Generating various reports by getting data from multiple databases.
* Used MySQL Transactions.

**Environment:** MVC 3.0, Ajax, C#.net, Entity Framework, LINQ, JavaScript and MySQL, Telerik Controls