

## RAKESH KUMAR GADDAM

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### Sr .Net Azure Fullstack Developer

#### Professional Synopsis:

Over **10+ years** of experience as a **.Net Azure Full Stack Developer** using Microsoft Standard and Azure tech stack. Developed several web, API & windows services by using various Azure cloud services (SaaS, PaaS) and **Angular 13.0** for front-end implementations, And also experienced in Azure DevOps for automating the build & release process by creating the CI/CD pipelines.

Technology stack which I worked for my various projects throughout my experience.

- Back-end: **.Net, C#, .Net Core3.1, Web API2.0, MVC4.0, Entity Framework Core, LINQ.**
- Front-end: **Angular 13.0, Typescript, JQuery, JavaScript, HTML, CSS, and Bootstrap.**
- Databases: **SQL Server, Azure SQL Server, PostgreSQL, Cosmos.**
- Azure Cloud (PaaS/SaaS) & DevOps: **App services, Azure Durable Functions, Azure Data Factory, Logic Apps, SignalR Storage Accounts, Redis cache, Service Bus, APIM, Key-vaults, App configuration, Application Insights, Active Directory, Azure Kubernetes Service.**
- IaC: **Terraform.**

- Domain Experience in **Retail, HealthCare, Finance, Property Management & Employee On boarding & Engagement.**
- Experience in Analysis, Design, Integration, Implementation, Maintenance, Application Flow Monitoring, Testing and Deployment of web, API services with emphasis of object-oriented methodologies and **SOLID** principle rules.
- Experience in manual and auto deployments, created build & release definitions using **YAML** and configured through **CI/CD pipelines** for automating the deployment process. And integrated it with **SonarQube** stage for generating the code quality analysis reports.
- Strong in **Agile/Scrum** software development process, Kanban board usage.
- Implemented **N-tier, Micro Service & Event Driven** architecture as per the project scope.
- Experience in **Azure Active Directory** service integration with application.
- Implemented API gateways and as a best practices followed solid principle rules.
- Developed data layer using ADO.NET, LINQ (LINQ to SQL), N-Hibernate and Entity Framework concepts.
- Added test-cases for the API's to achieve the best code coverage using **X-Unit** with **Moq** objects, configured through the Pipelines for daily reports.
- Involved in sanity check and application health checks in Application Management Support.
- Good Understanding of storage concepts – Experience in designing and implementing Azure Storage.
- Extensively worked in writing complex SQL Queries, stored procedures and its optimization and also created triggers, cursors, exception handlers, DTS Export & Import.
- Experience in working with SQL Server Reporting Services (SSRS).
- Experience with **Terraform** script for infrastructure & configuration management and integrated it through CI/CD for the deployments.
- Implemented **Swagger** UI Customization to listing the API Endpoints with sample response examples in integrated swagger document.
- Experience in the **payment gate way** integration.
- Extensively worked on **XML** data process using serialization and deserialization.
- Hands on experience in version control system like **P4, TFS, GIT & Bit Bucket.**
- Strong ability to troubleshoot any issues generated while building, deploying and in production support.
- Design Documentation and prepare pseudo documentation for business requirements.
- Responsible for deliverable targets of the team as per the sprint planning and scheduling of work.

- Responsible to carry out peer review of code developed by other developers in the team to make them follow best practices in coding and solutions.
- Actively participate in early visibility sessions by designer and business Analyst to understand the requirements, can influence them to change/provide better solutions if the suggested one is not feasible to implement.

## Employment History:

<b>Pravastech Inc   Mitsubishi UFJ Financial Group</b> ( <i>Sr Application Engineer</i> )	09/2023 to till date.
<b>Hay Group Consultants   KornFerry</b> ( <i>Sr Software Engineer</i> )	07/2022 to 04/2023
<b>Neobric IT Solutions   KornFerry</b> ( <i>Sr Software Engineer</i> )	10/2021 to 06/2022
<b>Real Page India Pvt Ltd</b> ( <i>Developer-II</i> )	05/2018 to 09/2021
<b>Kaara Info Systems</b> ( <i>Sr Software Engineer</i> )	02/2017 to 05/2018
<b>Pravastech India Pvt Ltd</b> ( <i>Software Engineer</i> )	01/2013 to 02/2017

## Certifications:

<b>Microsoft Certified: Azure Fundamentals (AZ-900)</b>	05/24/2023
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## Technical Skills:

<b>Programming Languages</b>	<p>C, C#, MVC, .Net Core 3.1, Web API 2.0, Entity Framework Core, X-Unit using Moq, Terraform.</p> <p><u>Azure services</u>: App Services, Azure Durable Functions, APIM, Storage accounts, key-vaults, Elastic Search, Azure Data Factory, Logic Apps, Service Bus, Event Bus, Redis Cache, App Configurations, Application Insights, SignalR &amp; Active Directory.</p> <p><u>Databases</u>: SQL Server, Azure SQL, PostgreSQL, Cosmos.</p> <p><u>UI</u>: JavaScript, jQuery, Angular 13.0.</p>
<b>Web Servers</b>	IIS, App services, Docker & Containers
<b>IDEs</b>	Visual studio, VS Code, Azure Data Studio, Azure Storage Emulator
<b>Repositories</b>	P4, GIT, TFS (SourceTree), VSTS
<b>Tools</b>	Swagger UI, DBeaver

## Project Details:

### Mitsubishi UFJ Financial Group(MUFG)

Sep 2023 to Till Date

#### Client: Product

Sr Application & .Net Azure Developer

Project: SOM, SCF, COALITION

**Client Summary:** Mitsubishi UFJ Financial Group's (MUFG) is one of the world's leading financial groups in global network offers services including commercial banking, trust banking, securities, credit cards, consumer finance, asset management, and leasing, and more.

We are working in internal applications towards the consumer finance deals - supplier onboarding, deal & tranche adjustments with report generations.

**Responsibilities:**

- Implementing angular based applications for Supplier Onboarding, Deal Creation & Tranches Adjustments.
- Using N-Tier architecture and deployed into app server (VM), with the help of CICD pipelines which are created on azure dev-ops environment.
- Direct Interaction with businesspeople to get the real time requirements and following agile process to deliver the requirements.
- Design and development of UI screens using angular13.0 as front-end framework.
- Developed API's and deploying virtual machine app servers.
- Developed azure durable functions to provide the common business logic service fulfilment for the multiple services with easy and faster deployment and deployment process automated through CICD pipeline.
- Implemented supplier onboarding process workflow process using logic apps and notified to multiple applications.
- Implemented Azure data factory to load the required customers, consumers and leads data for application requirements.
- Azure Application insights service is utilized for logs & easy error monitoring.
- App-Configuration & Key-vault service is used to store the configure data.
- Integrated Swagger UI to listing the API Endpoints for API services.
- Integrated Bloomberg API to get the latest currency price information for application.
- Implemented test-cases for achieving the code-coverage using X-Unit and Moq objects, it will help us in deployment failures.

**Environment:** .Net Core 3.1, Entity Framework core, Azure - Logic Apps, Data Factory, Durable functions, SQL Server 2018, Storage account, key-vault, App-configuration, Application Insights, X-Unit with Moq, Angular 13.  
Hosting Environment : Azure IAAS(Virtual Machines) and PAAS(App Services, Azure – Functions, Logic Apps, Data Factory).

**KornFerry (Neobric & Hay Consultants)****Oct 2021 to April 2023****Client: Product (Integrated Beta version with Honey well)**

Sr Software Engineer & .Net Azure Developer

Project: KFCT Teams App

**Summary:** This App is being developed to enhance the employee engagement in an organization and their skill set improvements. All integrated organizations can use this app from Teams hence it is developed based on Teams app store. We can have all current job roles & skill set by default for the employee, Employee can set his learning journey paths, the required skills gaps can be provided through the data science team by executing the algorithms from LMS content providers for the selected career journeys. We have the integration with LMS content providers (Go1, Udemy) for providing the courses and assessments purpose for employee skill improvements.

**Responsibilities:**

- Implemented application in Micro-service, Event-Driven based architecture and communication between the micro services is happened through the service bus messages.
- And micro services are deployed into Kubernetes, with the help of CICD pipelines which are created on azure dev-ops environment.
- Interaction with PO's to create and deliver the stories in agile process by leading the team members.
- Design and development of UI screens using angular10.0 as front end framework.
- Developed API's and deployed on docker & Kubernetes based on the requirement.
- Developed azure durable functions and made faster deployments by utilizing the server fewer concepts of azure functions, and deployment process automated through CICD pipeline.

- Events are passed through the service bus for communication between the multiple services and event schema validations are implemented at sender and receiver end levels to avoid the failures.
- Storage service is used for receiving the data from clients and when we want to share the huge data from one service to another service because service bus messages are restricted with size limits.
- Implemented Azure data factory to process the client's data into application db.
- Azure postgresql & Cosmos Db service are used for managing the application data.
- Utilized Azure Signal-R service for populating the notifications on the UI for the events.
- Azure Application insights service is utilized for logs & easy error monitoring.
- App-Configuration & Key-vault service are used to store the configure data, and it is managed by terraform IaC code and also it is automated through pipelines for deployment.
- APIM service is used to expose the endpoints and those are restricted with subnets.
- Integrated Swagger UI to listing the API Endpoints for API services.
- Integrated Go1 & Udemy LMS providers for loading the courses and assessments for the employee skills.
- Implemented test-cases for achieving the code-coverage using X-Unit and Moq objects, it will helps us in deployment failures.

**Environment:** .Net Core 3.1, Entity Framework core, Azure Data Factory, Azure Durable functions, Postgre SQL, Storage account, key-vault, App-configuration, Application Insights, SignalR, Redis Cache, APIM, X-Unit with Moq, Terraform, Angular 13.

Hosting Environment (App Services, Azure Functions & AKS service).

**Realpage India Pvt Ltd**

**May 2018 to Sep 2021**

**Client: Yardly, Property Owners (US Client)**

Senior Software Engineer, Design, Development & Maintenance

Project: UPM – Unity Property Management

**Summary:** UPM product is a platform for prospects, applicants and residents to manage their residencies information with their move-in, living and move-out process phases.

It provides the services for different type of resident's - Conventional, Commercial, senior living, Military Housing, Student Living with different type settings.

**Responsibilities:**

- Involvement in initial phase: System study, Requirement Gathering and Analysis
- Used Micro-service architecture with Azure host environment.
- Interacted with client to gather requirements and based on the requirement taken a responsibility for grooming meetings with Jr. Team
- Developing API for different micro services based on the requirement using Web API 2.0
- App services are utilized to deploy the API based services and deployments are automated through the CICD pipelines on azure dev-ops.
- Azure functions and logic app are implemented for the common usage purpose inside the micro services. The advantage for functions, it is not required any server configurations.
- Storage accounts are used for retrieving data from clients into containers and processed it through the web jobs and vice versa.
- Redis Cache is used to hold the log user data, configurations and common data to utilize in between multiple services.
- Extensively used Service Bus, Azure Functions, Reddish Cache,
- Azure SQL & Cosmos Db are utilized for storing the application data.

- Azure service bus are used to send the messages and service bus trigger based functions are triggered to process the request.
- Leading the people for accomplishing the feature deliveries.
- Utilized Swagger UI to listing the API Endpoints.
- Used Singleton, Repository & Builder Design patterns.
- Implemented testcases for API's using X-unit with Moq objects.

**Environment:** Net Core 2.0, C# 4.0, Web API 2.0, ADO.Net, SQL Server 2017, HTML5, CSS3.0, JQuery, Angular 6.0, X-Unit with Moq, and Windows server 2008.

## Kaara Info Systems

Feb 2017 to May 2018

### Client: Spice Corporation

Senior Software Engineer, Design, Development & Maintenance

Project 1#: ATL (Any Time Loan) – Spice Corporation

**Summary:** ATL is an application which provides platform for Lenders and Borrowers to invest and to take a loan on certain conditions. Based on the registration user will get the Permission in different modes based on user accuracy rating calculation with his personal and professional data for Lending and Borrowing process.

#### Responsibilities:

- Used Micro-service architecture with Azure host environment.
- Interacted with client to gather requirements and based on the requirement taken a responsibility for grooming meetings with Jr. Team
- Developing API for different micro services based on the requirement using Web API 2.0
- Extensively used Azure components Storage Areas, Service Bus, Azure Functions, Reddish Cache, Cosmos DB (Mongo DB), Azure SQL, Web jobs and Docker environment to host the implemented components.
- Managing the Jr. Team to complete their respective tasks.  
Utilized Swagger UI to listing the API Endpoints.

**Environment:** .Net Core 2.0, C# 4.0, Web API 2.0, Entity Framework 6.0, Azure SQL, Cosmos DB, Redis Cache, Storage areas, Service Bus, Azure Functions, Logic Apps, Web jobs and Hosting Environment (App Services, Docker)

### Senior Software Engineer, Design, Development & Maintenance

Project 2#: BodyNSpice

**Summary:** Body N Spice is an application which acts as interface for offering long-term solutions to common problems such as gas & indigestion, chronic sinusitis due to allergies etc using spices and herbs available at home. Customers will book an appointment to resolve their common problems using this application. We have different types of consultation services here. Based on the method adopted by customer it would be proceeded further.

#### Responsibilities:

- Used Micro-service architecture with Azure host environment.
- Interacted with client to gather requirements and based on the requirement taken a responsibility for grooming meetings with Jr. Team
- Developing API for different micro services based on the requirement using Web API 2.0
- Extensively used Azure components Storage Areas, Service Bus, Azure Functions, Reddish Cache, Cosmos DB (Mongo DB), Azure SQL, Web jobs and Docker environment to host the implemented components.
- Managing the Jr. Team to complete their respective tasks.

- Utilized Swagger UI to listing the API Endpoints.

**Environment:** C# 4.0, ASP.NET, MVC, Web API 2.0, Entity Framework 6.0, Azure Hosting Services, Azure SQL, HTML, CSS, jQuery.

**Pravastech India Pvt Ltd, Hyderabad, India**

**Jan 2013 to Feb 2017**

### **Software Engineer, Design, Development & Maintenance:**

Project 1#: CStore365- Gas & Retail industry utility mmanagement system (Teas Stores)

**Summary:** Cstore365 can integrate chain of Retail stores to manage departments data along with gas station. With this application we can manage user accounts, balances, their sales and inventory details. Retail store has been integrates with the our database and we use pos barcode scanner load data into DB's, so that we can generate reports with up to date on their sales. Inventory Management System forecasts customer about the required inventory levels also.

#### **Responsibilities:**

- Used N-tier architecture for presentation layer, the Business and Data Access Layers and were coded using C#.
- Developed complex Queries using query performance tuning techniques in SQL SERVER 2008 as per the requirements.
- Generated data migration and transformation using SSIS and built reports with SSRS.
- Involvement in XML data parsing using serialization and deserialization.
- Loaded inventory data using pos barcode scanners and excel/csv uploads.
- Used HTML5 and JavaScript for developing Controls and web forms in Debit Accounting Software.
- Implemented Ajax-loading for the Grids Views with sorting, paging and popups, if grid have more data
- Developed User Documents for the users.

**Environment:** C# 4.0, ASP.NET, MVC, ADO.NET, IIS7.0, SQL Server 2008, Web API, HTML5, CSS, JQuery, Angular-Js, AJAX and Windows 10.

### **Software Engineer, Design, Development & Maintenance:**

Project 2#: RepLabs Maintenance (RxPress, Xpress):

**Summary:** With the **RepLabs** portal Rxpress and Xpress labs can upload the reports of patients to manage the all the patients test reports in lab. And from **DrLabs** portal doctors can view the respective patients test reports directly once the patients visit him.

#### **Responsibilities:**

- Used N-tier architecture for presentation layer, the Business and Data Access Layers and were coded using C#.
- Developed complex Queries using SQL SERVER 2008 as per the requirements.
- Developed Cascading Style Sheets (CSS) for User Interface uniformity throughout the application.
- Used HTML5 and JavaScript for developing Controls and web forms.
- While showing the Information in Grids Extensively used jQuery plugins with sorting, paging and popups. (We are loaded only required rows out of total while displaying in Grid.)
- Developed User Documents for the users.

**Environment:** C#, ASP.NET, ADO.NET, .NET Framework 4.0, IIS7.0, SQL Server 2008, HTML5, CSS, jQuery, AJAX and Windows 7.

### **Software Engineer, Design, Development & Maintenance:**

### Project 3#: Rxpress Pharmacy (RxPress, Xpress, CaliPress, Mission Pharmacy) Sales Management Portal

**Summary:** Rxpress Representatives & sales management portal maintains Doctors and Representatives management, patient's profiles, prescriptions, compounding calculations, clinical checks, customized Rx Label with the respective of Rx-Company, also we can make online billing, tracking doctors and marketing plans from portal.

(PK-software is desktop application is the source for the data inputs for portal, which is required installation to access Prescriptions & patient's information written by doctors in Dr offices).

For Representatives to access data from anywhere (any device) to view patients' information, view incomplete list of TBDs'. This portal will fetch data from PK-software periodically and provide updated information to representatives with the using web service.

#### **Responsibilities:**

- Used N-tier architecture for presentation layer, the Business and Data Access Layers and were coded using C#.
- Developed Queries using SQL SERVER 2008 as per the requirements.
- Developed Cascading Style Sheets (CSS) for User Interface uniformity throughout the application.
- Used HTML5 and JavaScript for developing Controls and web forms..
- While showing the Information in Grids Extensively used jQuery plugins with sorting, paging and popups.
- (We are loaded only required rows out of total while displaying in Grid.)
- Developed User Documents for the users.

**Environment:** C#, ASP.NET, ADO.NET, .NET Framework 4.0, IIS7.0, SQL Server 2008, HTML5, CSS, jQuery, AJAX and Windows 7.

### Project 4#: Mitra QSR - KFC Stores Inventory and Human Resource Management System

**Summary:** Mitra QSR - Retail Management System maintains chain of KFC stores. This application provides solutions to maintain inventory and generate reports on sales for all stores individually as well as Operations.

And it has the payroll module to manage their human resource payroll process details.

#### **Responsibilities:**

- Used N-tier architecture for presentation layer, the Business and Data Access Layers and were coded using C#.
- Involved in developing Queries using SQL in SQL SERVER 2008.
- Generated data migration and transformation using SSIS and built reports with SSRS.
- Developed Cascading Style Sheets (CSS) for User Interface uniformity throughout the application.
- Used HTML5 and JavaScript for developing Controls and web forms in Debit Accounting Software.
- Extensively used jquery plugins for Grid Views with sorting, paging and pop-ups.
- Developed User Documents for the users.

**Environment:** C#, ASP.NET, ADO.NET, .NET Framework 3.5, IIS7.0, SQL Server 2008, HTML5, CSS, jQuery, AJAX and Windows 7.

#### **Education:**

**Associate of Group:** Information Technology

May/2010

**Global Institute of Engineering and Technology** – Hyderabad, TG