Nivedita Vasanth

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Career Objective

Microsoft Azure Fundamentals certified .Net developer with 4 years of hands-on experience in software development in IT industry. Seeking a position where I can apply my skills and contribute to increase company's value by following the best practices in software development.

Technical Skills

Languages	C#, SQL
Frameworks/ Technologies	- Net Framework/ .Net Core, Web API, LINQ, Entity Framework, Dapper - Javascript, Angular 12 - WPF, MVVM - ElasticSearch - Microsoft Azure (AppService, Azure Functions, Web Apps, Application Insights, Azure Security, Azure AD, Azure Service Bus, Azure Storage)
Tools/IDE	- Visual Studio 2019, Oracle SQL Developer, SSMS 2016/2017, Postman, Swagger, IIS, NServiceBus, - TeamCity, Azure DevOps, JIRA
Database	SQL Server 2018, Oracle
Unit test framework	MS Test, NSubstitute
Version Control	GIT

Certification

Microsoft Azure Fundamentals (AZ-900) certified.

Work Summary

Working as an **Engineer – Application Software at Sasken Technologies Ltd**., since **Aug 2018**.

Professional Summary

- Overall 4 years of experience in analysis, design and development of Windows, Web-based applications using Microsoft technologies.

- Exposure to software development activities following Agile methodology.

Project Experience

1. Caterpillar, India *(May 2019 to April 2020)*

Projects: Terra Sites & Terra Housekeeper (Domain: Construction and Mining Industry)

Technologies Used: ASP .NET Web API, SQL, Dapper, MS Test, NSubstitute and

Azure Platform (Dashboards, Application insights, AppService, Event Hub)

Terra Sites application is related to create, update and deleting of Job Sites for different Caterpillar Assets (machineries) which is implemented using Web API. Also, involved few Azure concepts like Event Hubs to receive the published events and send to the respective consumers.

Terra Housekeeper application on the Terra platform is used to monitor the health of all other microservices on the same platform. The metrics like CPU and Memory utilization, Events are displayed on the Azure dashboards. A WebJob keeps running to constantly monitor the health of the Microservices using Application insights. Through the WebJob, consistency of the events that is published to and consumed from the Event Hubs between the microservices are also monitored (both at Database and Dashboard level).

Roles & Responsibilities:

- Developed code in-line with specified requirements and standards using .Net Core Web API following Agile methodology.
- Worked on WebJob to check the consistency of events – events count check, across various MS and trigger mail to the support team in the case of events mismatch/inconsistency.
- Analyzed and resolved the Bugs with solution which was raised by the automation team.
- Created dashboards on Azure Portal as part of Terra Housekeeper in order to monitor the health of the MS.
- Performed Unit testing using MSTest and NSubstitute such that code-coverage requirements are met.

- Was involved in designing of technical documents and also feasibility study before actual implementation and development.

- Made use of Azure DevOps for CI/CD, sprint tasks tracking and GIT for source controller.

2. ABB, India *(May 2020 to Nov 2020)*

Project: ABC system (Domain: Chemical Industry/ Oil Refining industry)

Technologies Used: ASP .NET Web API, SQL, Entity Framework, Angular 12, MS Test, NSubstitute

ABC (Advanced Blend Control) tool is a legacy tool which monitors, manages and aids in the blend activities. The existing application was in VB with Oracle Database and is being migrated to .NET Core with Micro-services architecture, SQL Server.

Roles & Responsibilities:

- Involved in understanding of the requirements (functionalities of the components), design, analysis and development of the components or modules which is part of the ABC system.
- Involved in analysis of Analyzer monitor module. Also, analysis and development of Tank monitor module.
- Involved in design and development of Web APIs for various UI screens in Configuration management, Operation forms in the ABC application and also worked on developing micro-service and upgrading the module from VB to .NET Core for Tank Monitor.
- Development of user interfaces for Web based applications using Angular 12.

- Performed Unit testing using MS Test and NSubstitute such that code coverage requirements are met.

- Was involved in designing of technical design documents and also feasibility study before actual implementation and development.

- Migrated few micro-services to .NET Core 2.2 from .NET Framework.

- Experience on using Azure DevOps and GIT for code check-in and source control.

3. Kontron Transport, Formerly Kapsch Carrier Com *(Nov 2020 to till date)*

Project: Mobiguider AFC (Automated Fare Collection) Application (Transportation domain)

Technologies Used: C#, .Net Framework, .Net Core Web API, WPF, Angular 12, Entity Framework, SQL, Oracle, LINQ , NServiceBus, ElasticSearch, GIT, JIRA, Confluence, TeamCity

The **Mobiguider** AFC application system deals with all Automated Fare Collection issues in the front-end on buses or counters and in the back-end central systems. It helps the operator to work more productively and react faster to incidents and disruptions on the route. Configurable screen layouts and customization options allow adaptation to the specific needs.

The advanced AFC solution offers intuitive tools for the management of products, tariff structures and passenger accounts

Roles & Responsibilities:

- Developed the Mobiguider application using WPF (MVVM), .Net Framework/ .Net Core, EF Code First approach, LINQ, SQL based on Microservice Architectural pattern.
- Involved in development of user interfaces for Web based Mobiguider application using Angular 12.
- Worked on feature enhancement for the existing Mobiguider application.
- Involved in fixing and resolving issues, bugs raised by QA team.
- Worked closely with development and QA team members to develop the application for a transportation domain to meet client requirements.
- Written Unit test cases to adhere to code coverage standards.
- Involved in discussion with the customer for requirement walkthrough, queries and clarifications.
- Followed Agile methodology for the application development.
- Used JIRA for system tracking tasks related to project.
- Used GIT for continuous integration and version control.

Education

B.E. (Computer Science), graduated in **2018**, **VTU Belgaum**.

I hereby declare that the information given above is true to the best of my knowledge.

Place: Bangalore

Date: **(Nivedita Vasanth)**