

Sanath Katakam

Full Stack Developer / Azure PaaS / DevOps / Docker

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Summary

Innovative, task-driven professional with 3+ years of experience in full stack development overseeing all aspects of SDLC, from analysis and design through execution and maintenance across diverse industries. Proficient in utilizing a wide variety of programs and tools to provide high quality and cost effective applications to boost organizational efficiency and productivity.

Skills

Frontend: Angular, React, Kendo UI, JavaScript, jQuery, Leaflet, Open Layers, D3.js, HTML5, CSS3

Backend: .NET Core, .NET Framework

Database: SQL Server

Cloud: Azure PaaS

Continuous Integration: Azure Pipelines

Containerization: Docker

Architecture: Monolithic, Microservices

Version Control: Git, GitHub, Azure DevOps Server (TFS)

Methodologies: Agile (Scrum), Waterfall Model

Work Experience

Full Stack Developer

Nov 2020 - Present

Arcadis

- Implement complex, high-quality, scalable, and extendable end-to-end solutions using .NET Core & React.
- Visualized geographical data using Leaflet/OpenLayers & D3.js
- Developed APIs which can return JSON & GeoJSON.
- Managed spatial data using Microsoft SQL server management studio.
- Implemented database connectivity using EF Core 3.1, Stored Procedures, Functions, and Views.
- Implemented Microservices Architecture by using Ocelot API Gateway.
- Containerised .NET & .NET Core applications using Docker.
- Built the CI/CD pipelines from scratch by using Azure Pipelines.
- Deployed applications to Azure & On Prem by using Azure Pipelines.
- Helped individual teams to set up their repositories in Git Hub and maintain their code and help them setting up jobs which can make use of CI/CD environment.

Full Stack Developer

Mar 2018 - Nov 2020

Accenture

- Design, develop, and maintain applications using a wide range of technologies from .NET MVC to WebAPI and Angular to effectively solve business problems.
- Developed web applications with robust front and back ends that work together to perform all CRUD Operations.
- Upgraded legacy systems to the latest versions.
- Provided database connectivity using EF 6.0, LINQ, designed stored procedures and views.
- Built scalable RESTful web services and consumed it.
- Implemented improvements in the design of existing software architecture.

Certifications

Microsoft Certified: Azure Fundamentals

Awards & Achievements

Earned Accenture Celebrates Excellence(ACE) award for Q2, FY20 in the Client & Customer category for unremarkable delivery of a project in F# & Grafana.

Projects

Railway Structure Designing Application

A data driven application developed to design/modify the structures of railway tracks, track assets and others using a web application.

Responsibilities:

- Primary role is to develop application which can render rail structures dynamically.
- Modernized legacy app originally built on WinForms to Web by using React.
- Designed an Interactive UI of the rail structures in web page using Leaflet/Open Layers (JS Libraries).
- Developed GeoJSON APIs to return geographical data from database.
- Developed the web interface canvas of the map view.
- Created an editable layout to allow the users (designers) to modify the design.
- Created a comparison view of two track designs.
- Designed user friendly features of Open Layers such as Shared Views, Compare Views, Layer Switcher.

Environment: React, .NET Core, Leaflet, Open Layers, MS SQL Server, GitHub, Visual Studio.

Blend Factor

A real time dashboard to track blending factor of the multiple crushers in mines by using IOT & Grafana Dashboards.

Responsibilities:

- Primary role is to develop visualization using Grafana.
- Fetched the data from source system into database by using F#.
- Wrote T-SQL queries to fetch data from database and visualize it in the dashboard.
- Created virtual tables by using views in MS SQL Server.

Environment: Grafana, F#, MS SQL Server, GitHub, Visual Studio.

Downtime Reconciliation Tool

Angular 9 & .NET Web API based application which is used to manage the assets in different sites across the world.

Responsibilities:

- Primary role is to implement APIs which can perform CRUD operations by using .NET Web API.
- Created a form in Angular to store the asset info.
- Implement client side validations in the form.
- Displayed all the assets info in Tabular format with option to edit & delete.

Environment: Angular 9, .NET Web API, C#, MS SQL Server, TFS, Visual Studio.

Education

B. Tech

2013 - 2017

SRM University, Chennai

Electronics & Communication Engineering

Hobbies

Photography, Listening Music, Playing Badminton