

# BALA PRAKASH RAO REDDI

*.Net Full stack Engineer*

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## **Professional Summary:**

- Over 10 years of dedicated experience in the IT industry, with a strong focus on Windows technologies utilizing **.NET (C#.NET)** and web technologies, including **.NET Core, Asp.Net Core**, and various **Microsoft Azure Cloud** offerings.
- Experienced in **C#.NET, ASP.Net Core, .NET Framework, .NET Core, ADO.NET, Microsoft Azure, SQL Server, SQL Azure**, and **MSSQL**, showcasing extensive programming expertise.
- Experienced implementation of software development life cycle, specializing in the development of Internet Applications using **ASP.NET, MVC, Angular, JSON, ReactJS**, and **Microsoft Azure**.
- Extensive hands-on experience in **Microsoft Azure services**, including **Web Apps, Function Apps, App Insights, Cosmos DB, SQL Azure, Storage, Microservices, Service Fabric**, and **Logic Apps**.
- Demonstrated development expertise with **JavaScript** and **C#** for client-side/server-side code in **ASP.NET Core** applications.
- In-depth experience in designing databases, implementing **SSRS** in **SQL Server & SQL Azure**, and creating database applications using **ADO.NET & Entity Framework**.
- Proven expertise in securing web applications and services using **OAuth 2.0** protocol, implementing authorization flows for web and mobile applications to ensure robust security and compliance with industry standards.
- Experience in **Agile** and **Waterfall** methodologies, utilizing tools such as **Visual Studio.Net, VSTS, VSS, CVS, SVN, TFS, GIT**.
- Extensive experience in developing pipelines for Build & Release using **Azure DevOps**.
- In-depth experience with **RESTful APIs, Design Patterns (MVC, , MVVM)**, and code-first developments.
- Skilled in developing SPAs using **ASP.Net Core, Web API**, and **Angular**.
- Experience in developing **Data Access Layer (DAL), Business Logic Layer (BLL)**, and implementing Business Processes as part of Service-Oriented Architecture (SOA) using C#.
- Skilled at comprehending architectural specifications and guaranteeing efficient code design, development, and analysis.
- Extensive experience in developing UI applications using **Angular, HTML, JavaScript, jQuery, CSS & Typescript**.
- Solid knowledge in **Object Relational Mapping (ORM)** using **Language Integrated Query (LINQ)**.
- Strong understanding and extensive working experience with automated testing and different approaches (unit testing, integration testing).
- Comprehensive knowledge of several database technologies including **SQL Server**.
- Strong understanding and extensive working experience around automated testing and different approaches (unit testing, integration testing).

## **TECHNICAL EXPERIENCE:**

**Languages:** C#, TypeScript, JavaScript

**Frameworks:** .NET Core, ASP.NET Core, Web API, MVC, Entity Framework

**Frontend:** Angular, React, HTML, CSS, Bootstrap

**Cloud:** Microsoft Azure (Functions, App Services, Blob Storage, App Insights)

**Databases:** SQL Server, Azure SQL

**DevOps:** Azure DevOps, CI/CD Pipelines

**Messaging:** Kafka

**Tools:** Visual Studio 2022, Git, NLog

## PROFESSIONAL EXPERIENCE

Synechron

Jun 2024 – Till Date

Role: Sr .Net Developer

Project #1:

**Banking** Developed and maintained a **Banking Document Processing System** where business users upload financial documents to **ICMP (Blob Storage)**. The system integrates with **Kofax** for document extraction, processes data using **Azure Functions**, and displays extracted information in a **web application**. The project also involves integrations with **Optimist (FIS)** for further data processing.

**Responsibilities:**

- Designed and implemented **CI/CD pipelines in Azure DevOps** for automated deployment of APIs, frontend (Angular/React), and Azure Functions.
- Developed **.NET Core APIs** to process and store extracted document data in **SQL Server**.
- Integrated **Kofax OCR** to extract document metadata and automate classification of banking forms (**BLAST, CRA, FLO 1040, 1045**).
- Implemented **Azure Functions** to handle document ingestion and processing in **Blob Storage**. **Integrated Kafka for real-time document processing**, where metadata messages trigger document retrieval, OCR processing, and data extraction before saving results.
- Integrated with **Optimist (FIS)** via REST APIs for further document processing. Configured **Application Insights, NLog, and Azure Monitor** for logging and system monitoring.
- **Implemented Kafka-based message processing** by consuming metadata messages from the producer and executing a **batch job** to process them. The batch job triggers an **API call** that retrieves document binary data from **Blob Storage**, runs **OCR processing via Kofax**, and stores the extracted information in **SQL Server** for further use

Virtusa

Jan 2020 – May2024

Role: Sr .Net Developer

Project #1:

**Optum** is a health services innovation company that is part of UnitedHealth Group. Optum works to improve the health system's performance and help people live healthier lives. The project under Optum Healthcare typically involves various components aimed at enhancing healthcare delivery, efficiency, and patient outcomes through technology and data analytics

Project #2:

**BT(British Telecom):**

**British Telecom (BT)** is one of the leading telecommunications and network service providers in the United Kingdom. Their **ManageBroadband** service is designed to help businesses manage and optimize their broadband connections efficiently. This service includes various features aimed at ensuring reliable internet connectivity, enhanced security, and improved network performance

**Responsibilities:**

- Designed and implementing applications with a technology stack encompassing C#.NET, Angular, JSON, Web API, and Azure cloud technologies.
- Experience in comprehending architecture requirements, ensuring effective design, and conducting in-depth analysis of code for optimal performance.
- Experienced in mentoring team members, providing coaching, and reviewing their development activities to foster skill acquisition.
- Skilled in utilizing Git for version control, deploying builds across various environments (Dev, QA, UAT, and Prod).
- Led the design, development, and modification of complex computer programs and subroutines using .NET and C# to meet client specifications and deadlines.
- Experience in crafting unit, integration, and automation test cases to maintain the high quality of applications.
- Expertise in developing cross-browser accessible interfaces using Bootstrap, JavaScript, CSS3, and Angular 15.
- Adept in leveraging pipelines for creating Azure resources and seamless deployment.
- Experience in addressing UAT/PROD issues and providing effective solutions.

- Skilled in Sprint planning discussions, actively participating in requirement analysis, and contributing to architectural decisions.
- Experienced in utilizing Azure DevOps for continuous integration and deployment workflows.
- Experience in working with Visual Studio 2022, .NET 5.0/6.0, .Net Core, C#.NET, Web API, Angular 15, SQL Server, TDD, GIT, Azure Cloud, and Entity Framework.
- Extensive experience in constructing application pipelines for Build & Release using Azure DevOps.
- Hands-on experience with Entity Framework 6.0 repositories for communication with SQL Server databases.
- Experience in creating relational databases, tables, stored procedures, packages, views, and functions in SQL Server.
- Skilled in implementing N-tier architecture for presentation, business, and data access layers, specializing in developing microservices architecture-based applications.
- Experience in creating and utilizing REST APIs using .Net Core and leveraging for building and testing identity microservices.
- Demonstrated ability in writing Unit test cases, integration test cases, and automation test cases to ensure robust application functionality.

## **Capgemini**

**Feb 2018 – Dec 2020**

**Role: Sr .Net Developer**

### **Project #1:**

**BMW Financial Services (FS)** provides financial products and services to BMW customers and dealers. Their B2B (Business-to-Business) solutions are designed to support BMW dealerships, corporate clients, and other businesses associated with BMW in managing their financing, leasing, and insurance needs efficiently.

### **Responsibilities:**

- Demonstrate Expertise in comprehending architecture requirements and executing effective design and development strategies.
- Expertise in C#.NET, Angular, JSON, Web API, and Azure cloud technologies, contributing to the seamless functioning of applications.
- Create database structures by designing procedures, tables, and views for Oracle, SQL Server databases.
- Implement REST APIs to enable efficient communication between applications.
- Develop cross-browser accessible interfaces using Bootstrap, JavaScript, CSS3, and Angular 10.
- Managed relational databases, tables, stored procedures, packages, views, and functions in SQL-Server.
- Exhibit Expertise in writing unit test cases, integration test cases, and automation test cases to ensure the reliability of applications.
- Expertise in tools and platforms including Visual Studio 2017, .NET 3.5/4.0, .Net Core, GIT, AngularJS, Azure Dev Ops, Azure Cloud.
- Contribute to the development of ERP solutions through the implementation of microservices architecture.
- Implement N-tier architecture for presentation, business, and data access layers to enhance system efficiency.
- Leverage Microservices architecture, REST to develop, test, and deploy identity microservices.
- Provide valuable insights by reviewing and coaching team development activities, aiming for improved performance.
- Participate actively in deployment activities for QA, Dev, and Prod environments using TFS.
- Demonstrate excellent problem-solving skills and an ability to work effectively in a team environment.
- Exhibit attention to detail, organizational skills, and the capability to work under tight deadlines, ensuring the delivery of high-quality software applications.

## **Biz Technologies, India.**

**January 2016 – Feb 2018**

**Role: .NET Full Stack developer**

### **Project #1:**

**BizTechnologies Online** is a company that provides a suite of cloud-based solutions designed to help businesses manage their operations more efficiently. Their services include software for enterprise resource planning (ERP), customer relationship management (CRM), and various other business process management tools

**Responsibilities:**

- Followed Agile process two-week Sprints, and daily Scrums to discuss the development of the application.
- Developed web pages using ASP.Net, AJAX and class libraries using **C#.Net**.
- Involved in the development of business logic in C#. NET and developed web applications using ASP.NET.
- Responsible in designing and development of portal using MVC framework, HTML, jQuery, JavaScript, and Angular JS.
- Developed all client-side logical implementation part of applications with AngularJS controllers under specific modules and manipulated nodes in DOM tree.
- Developed client-side validation code using JavaScript and jQuery.
- Developed custom modules by integrating Web Services like REST and SOAP.
- Followed the LINQ and Entity Framework to connect the database with the objects created.
- created various widgets, data manipulation, data traversing, form validations, implementing Ajax features for the application.
- Implemented JSON parsing for data handling on different applications.
- Generated UML class diagrams that captured the dependency of MySQL tables.
- Tested cross browser functionality and fixed major layout bugs for supported browsers.

**Education:**

- B.Tech in Computer Science Engineering from Swarnandhra College of engg & tech, Narasapuram 2015.
- Studied Intermediate in Narayana Junior College at Vishakhapatnam With 84%.
- Studied SSC in Sri Sai Sarvani High School at Gajapathi Nagaram With 74%.