

# BHARATH K

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☎ Full Stack Dot Net Developer



[Bharath](#)



## PROFESSIONAL SUMMARY

- 5+ years of experience as a Full Stack .NET Developer, skilled in all phases of the Software Development Life Cycle (SDLC) including analysis, design, development, testing, code review, and maintenance.
- Proficient in Agile methodologies, with experience in Test Driven Development (TDD) and Behavior Driven Development (BDD).
- Strong grasp of .NET Object-Oriented Programming (OOPS) concepts such as Inheritance, Abstraction, Encapsulation, and Polymorphism, with expertise in Exception Handling, Debugging, and Tracing.
- Experience in designing and developing 3-tier and N-tier architecture applications, managing websites using MVC, Entity Framework Code First, WCF, ASP.NET, C#, VB.NET, ADO.NET, Web Services, SOAP, and RESTful services.
- Expertise in Design and Development of User Interfaces, User and Custom Controls using ASP.NET and C#.
- Experience using Microsoft Visual Studio to create Windows Form Applications, Console Applications, Class Libraries, ASP.NET projects and Web Sites.
- Experienced in applying .NET design patterns including Dependency Injection (DI), IOC, Singleton, MVC, Repository, Factory, Observer, and Strategy to create robust, maintainable, and scalable software solutions.
- Proficient in developing responsive and interactive UI components using Angular (2+ versions), React.js, HTML, CSS, Bootstrap, Tailwind CSS, Ajax, JavaScript, jQuery, TypeScript.
- Extensive expertise in leveraging Angular Components, modules, services, Forms, templates, directives, State Management, dependency injection and IOC to create highly interactive and efficient Single Page Applications.
- Knowledgeable in advanced Angular and React.js features including components, modules, services, state management (NgRx/Redux), and Hooks for efficient SPA development.
- Experienced in working with React JS components, Forms, Events, Keys, Router, Redux, Animations, and Flux concepts, adding rich functionality to web applications.
- Utilized Power Apps to build dashboards and alert systems that provide real-time insights into customer transactions, enabling early detection of suspicious activities and supporting AML efforts.
- Experienced with both relational databases (MSSQL, Oracle, PostgreSQL) and NoSQL databases (MongoDB, Cassandra), including writing stored procedures, triggers, and functions.
- Proficient in Azure cloud services such as App Service, Functions, SQL Database, Cosmos DB, Blob Storage, Key Vault, DevOps, AKS, Active Directory, Logic Apps, Monitor, Application Insights, Event Grid, and Service Bus.
- Familiar with Amazon AWS Cloud services including EC2, S3, Lambda, ELB, VPC, IAM, and CloudFormation.
- Experienced with CI/CD tools like Jenkins and Kubernetes, and containerization using Docker.
- Configured Kafka for seamless data handling from external programs and back-end services.
- Hands-on experience in Ansible deployments for non-prod DMZ artifacts in DEV and SIT environments.
- Prepared Technical design document, use cases, Test cases and User manuals for various projects and good at Bug fixing, Code reviews, and Unit, System and Performance testing with Karma, Jasmine, N Unit, Junit and JMeter.
- Proficient in documentation tools including Swagger and Confluence, and code quality tools such as SonarQube.
- Proficient in version control software like GIT and Bitbucket, ensuring efficient collaboration and code management.
- Experienced in version control using GIT, Bitbucket, and Azure DevOps.
- Adept at collaborating with cross-functional teams and stakeholders for successful project delivery.

- Worked with a team consisting of different levels of officials with proven experiences and in coordination with clients and offshore teams. Additionally, KT (Knowledge transfer) is given to the application developers.

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals – License #: Cert-49D636-Y315F8
- Microsoft Certified: Azure Developer Associate - License #: Cert-9D8C2B-755R89

## TECHNICAL SKILLS

|                                   |                                                                                                                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Programming Languages</b>      | C, C#, C++, T-SQL, PL/SQL.                                                                                                                                                                               |
| <b>Web Technologies</b>           | HTML, CSS, Bootstrap, JavaScript, Typescript, jQuery, AJAX, Angular, React/ReactJS.                                                                                                                      |
| <b>Framework</b>                  | Microsoft .NET framework 4.5/4.6/4.7, ASP.NET MVC, MVVM, MVS, ASP.NET, Web forms, VB.NET, .NET Blazor, ASP, ASP.NET Core, .Net Core, Micro Services, IIS Web Server, WPF, WCF Services, XML Web Services |
| <b>IDE</b>                        | Visual Studio Code, MS Visual Studio, IntelliJ IDEA, Eclipse                                                                                                                                             |
| <b>Web Services</b>               | Restful, Web API, WCF and SOAP                                                                                                                                                                           |
| <b>Database Technologies</b>      | MySQL, Oracle, PostgreSQL, MongoDB, Cassandra, Azure SQL Server, Microsoft Access, SQL                                                                                                                   |
| <b>Design Tools and Languages</b> | UML, Figma, Adobe Photoshop, Visio 2016                                                                                                                                                                  |
| <b>Reporting Tools</b>            | Crystal Reports, SSRS Reports, Power BI                                                                                                                                                                  |
| <b>Documentation</b>              | Swagger, Confluence                                                                                                                                                                                      |
| <b>Version Controls</b>           | MS Team foundation server, GIT, Bitbucket, Jira, Azure DevOps, AWS Code Pipeline                                                                                                                         |
| <b>Methodologies</b>              | Agile, Scrum, DevOps                                                                                                                                                                                     |
| <b>Cloud Technologies</b>         | Azure App Service, Functions, SQL Database, Cosmos DB, Blob Storage, Key Vault, DevOps, AKS, Active Directory, Logic Apps, Monitor, Application Insights, Event Grid, Bus, AWS (EC2, S3, LAMBDA, ELB)    |
| <b>Tools</b>                      | JUnit, Karma, Visual Studio Unit Test, Jasmine, Cucumber, Jenkins, Docker, Kubernetes                                                                                                                    |
| <b>Operating System</b>           | Windows, Linux                                                                                                                                                                                           |
| <b>CRM</b>                        | Microsoft Dynamics 365, Power Apps                                                                                                                                                                       |

## PROFESSIONAL EXPERIENCE

**Fifth Third Bank, Cincinnati, Ohio**

**Feb 2024 – Till date**

*Full Stack Dot Net Developer*

- Worked in Agile environments, contributing to story refinement and defining requirements, and participating in sprint planning and retrospectives.

- Developed and maintained an Enterprise Data Store (Data Cache) using .NET Core, C#, ASP.NET Web API, and SQL Server, enabling real-time data access with low latency.
- Architected and implemented microservices with Azure Services and REST APIs, facilitating real-time data synchronization from various System Records of Records (SORs).
- Created and secured RESTful APIs with .NET Core and ASP.NET Web API, incorporating OAuth 2.0 and JWT for robust authentication and secure data exchanges.
- Managed data access and interactions with Entity Framework and SQL Server, ensuring efficient data operations and integration with backend systems.
- Developed dynamic and responsive front-end applications using Angular 16, TypeScript, and Bootstrap, creating intuitive user interfaces that enhance user experience and interaction with backend APIs.
- Enhanced application usability by integrating jQuery for dynamic content and interactions, improving overall user experience.
- Utilized state management techniques such as NgRx and RxJS to manage application state effectively, improving the predictability and debugging of front-end behavior.
- Optimized application performance and scalability through Docker and Kubernetes, deploying applications on Azure App Service for efficient management and scaling.
- Implemented CI/CD pipelines using Bitbucket, Jenkins, and Azure DevOps, automating build, test, and deployment processes for streamlined and reliable delivery.
- Utilized Power Apps to build dashboards and alert systems that provide real-time insights into customer transactions, enabling early detection of suspicious activities and supporting AML efforts.
- Conducted thorough testing with NUnit, Jasmine, and Karma, ensuring high code quality and stability for both backend services and front-end components.
- Performed API testing using Postman to validate functionality, performance, and security, ensuring reliable and secure integrations.
- Managed web hosting with IIS, used Azure Services for cloud operations, and monitored system performance continuously with Azure App Service and Kubernetes dashboards.
- Collaborated with cross-functional teams and participated in Agile ceremonies for project alignment and progress.

**Environment:** .NET Core, C#, ASP.NET Web API, MongoDB, MVC, Typescript, ANGULAR 16, Entity Framework, REST API, Bitbucket, Jenkins, Azure DevOps, Azure Services, SQL SERVER, Azure, CSS, JSON, HTML, microservices, Azure, jQuery, OAUTH 2.0, JWT, IIS, N Unit, Jasmine, Karma, Postman, Docker, Kubernetes, Azure App Service Continuous Integration, Power Apps.

## **Optum United Health Group, Atlanta, USA**

**July 2023 – Jan 2024**

*Full Stack Dot Net Developer*

- Collaborated within Agile teams, participating in daily stand-ups, sprint planning, and retrospectives to maintain project focus and deliver on time.
- Developed high-performance backend services for managing medical records using C# and ASP.NET Core, incorporating advanced features like LINQ for querying and async/await for asynchronous operations to enhance processing efficiency.
- Implemented Entity Framework Core to define and manage the database schema using a Code-First approach, facilitating seamless interaction with PostgreSQL for storing and retrieving medical records.
- Designed and implemented RESTful APIs using ASP.NET Core, with documentation provided via Swagger, to enable secure and efficient interaction between the backend and frontend components.
- Implemented Kafka to manage real-time data streams, enabling the efficient processing of medical records and notifications, which ensured that the system always had the most current information.
- Employed Azure Data Factory to orchestrate data ingestion and transformation processes, and Azure Functions for serverless data processing, automating and streamlining the handling of medical records.

- Stored medical records and patient documents in Azure Blob Storage, providing scalable and secure storage solutions while ensuring data integrity and easy retrieval.
- Developed an intuitive user interface using React.js, HTML, CSS, and Bootstrap, integrating JavaScript and jQuery for interactive features and responsive design to enhance user experience.
- Created detailed forms with validation rules in React to manage patient records, appointments, and medical data, ensuring accuracy and ease of use for healthcare professionals.
- Designed and generated comprehensive reports using Crystal Reports, enabling stakeholders to analyze medical data, track performance metrics, and comply with regulatory requirements.
- Deployed microservices using Docker for containerization and Azure App Service for hosting, ensuring scalable and high-availability management of medical records across different services.
- Managed microservices deployments with Docker and Kubernetes, ensuring consistent performance and scalability across development, staging, and production environments.
- Configured pipelines with Azure DevOps and Jenkins, automating build, test, and deployment processes to facilitate rapid and reliable application updates.
- Deployed the application using Azure Cloud Services, leveraging Azure Functions for serverless operations and Azure App Service for hosting, which ensured scalability and optimized resource management.

**Environment:** Swagger, Entity Framework, Unit Test, stored procedures, C#.NET, ASP.NET, SQL Server, T-SQL, Crystal Reports, XML, Visio, TFS, Visual Source Safe, Microservices, HTML5, CSS3, Bootstrap, JavaScript, jQuery, React PostgreSQL, Azure Blob storage, Azure Devops, Azure app Service, Docker, Kafka, Jenkins, GitHub.

## **Fintrac Global Services Private Limited, India**

**Mar 2020 – Dec 2022**

*Full Stack Dot Net Developer*

- Collaborated in an Agile environment, contributing to sprint planning, daily stand-ups, and retrospectives, ensuring alignment with project goals and timely delivery.
- Developed and maintained RESTful APIs using ASP.NET Web API to streamline communication between front-end and back-end services, reducing page load times.
- Implemented advanced security protocols using ASP.NET and C#.NET, including OAuth 2.0, to ensure secure user authentication and authorization, enhancing data protection and compliance with industry standards.
- Configured Log4J for effective logging and real-time monitoring, enabling early detection and response to security threats, decreasing incident response time.
- Conducted comprehensive Unit Testing and Integration Testing to ensure the reliability and security of the platform, reducing post-deployment issues.
- Led the redevelopment of the Bet boo platform's front-end using Angular, significantly improving the user interface and user experience, leading to an increase in user satisfaction and retention.
- Leveraged Microsoft Dynamics 365 for customer relationship management (CRM) to improve customer engagement and streamline communication channels.
- Leveraged the platform to track and report player activity, ensuring adherence to regulatory requirements, including anti-money laundering (AML) and responsible gambling regulations using Microsoft Dynamics 365.
- Enhanced mobile compatibility and responsiveness using HTML5, CSS, and JavaScript, ensuring a consistent user experience across all devices and boosting mobile user engagement.
- Utilized Angular to create a modular and scalable front-end architecture, facilitating faster development and easier maintenance, which resulted in a reduction in development time for new features.
- Applied responsive design principles, optimizing the platform for various screen sizes, which led to an increase in mobile traffic.
- Optimized database performance using ADO.NET and SQL Server 2016/2018 by refining queries and implementing indexing strategies, improving data retrieval speed and transaction processing efficiency.

- Deployed and managed scalable cloud infrastructure using Azure services, improving platform reliability during high traffic periods and reducing downtime.
- Orchestrated containerized applications using Kubernetes, facilitating efficient scaling and deployment, ensuring a consistent and stable user experience.
- Designed and implemented advanced reporting features using Crystal Reports, providing users with customizable insights into betting activities, enhancing engagement and user satisfaction.
- Established and maintained a CI/CD pipeline with Git and Azure DevOps, enabling automated testing and deployment, reducing deployment errors and accelerating feature delivery.

**Environment:** C#.NET, ASP.NET, ADO.NET, SQL Server 2016/2018, T-SQL, Crystal Reports, XML, IIS 5.0, Windows, Angular, Unit Testing, Integration Testing, ASP.Net Web Api, HTML5, CSS, JavaScript, ReactJS, REST, Azure, Maven, Kubernetes, Log4J, Git, Agile.

## **Accenture Solutions Private Limited, India**

**Aug 2018 – Oct 2019**

*Associate Dot Net Developer*

- Reviewed functional requirements and got approval from the business manager to ensure they matched project goals.
- Collaborated with the business manager to analyze and confirm functional requirements specific to the Health Kart platform.
- Modified existing e-commerce web applications based on given requirements using ASP.Net, JavaScript, and HTML to enhance user experience and functionality.
- Implemented database-related changes, including updates to stored procedures, tables, views, and triggers using MySQL Database to optimize data management for the website.
- Conducted thorough unit testing and ensured the quality of code in higher-level environments (SIT, UAT), leading to smooth production deployments.
- Managed the migration of updated packages through different testing stages (SIT, UAT) and ensured seamless deployment into production for the application.
- Utilized ADO.NET and Entity Framework to create seamless data access layers, enabling robust interaction between Oracle databases and .NET-based applications.
- Participated in daily status meetings with the onshore team to ensure alignment on project goals and timelines, contributing to efficient project execution.
- Developed and executed unit test cases and business test cases, identified and fixed bugs, and provided ongoing support for the e-commerce application.
- Provided technical support to resolve defects in the existing web application, ensuring optimal performance and user satisfaction.
- Contributed to the creation of technical design documentation, ensuring clear communication and understanding of system architecture.
- Debugged existing applications and resolved critical production issues to maintain the reliability and performance of the platform.
- Mentored and motivated team members to achieve project objectives and deliver high-quality results.

**Environment:** Windows, Visual Studio .NET, ASP.NET, C#, ADO.NET, VB.NET, Java Script, Web Forms, MySQL Server, LINQ, HTML, CSS, JavaScript, Team Foundation Server.