**Harish B**

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**Full Stack .Net Developer Lead**

Professional Summary

* Around 10 years of professional experience in all stages of the SDLC (Software Development Life Cycle) which involves the project requirements, analysis, design, implement, testing, deployment, and maintain the project.
* Expertise in developing applications using OOPS, SOLID design principles and design patterns such as MVC and MVVM.
* Extensive experience in designing and developing applications in 3-tier/N-tier architecture.
* Extensive experience in developing web applications using .NET Framework, C#, VB.NET, ASP.NET and ASP.NET MVC 5.
* Involved in developing applications using Angular 2 - Bootstrap like Grids, Toolbars, Panels, Combo-Box and Button etc. Used filters while coding in Angular 2/4.
* Experienced in writing complex SQL Queries, Stored Procedures, Triggers, Views, Cursors, Joins, Constraints, DDL, DML and User Defined Functions to implement the business logic and created clustered and non-clustered indexes.
* Responsible for Design Reports using SSRS
* Experienced in using JavaScript libraries like jQuery, Angular (2/4/5) and jQuery UI.
* Implemented delegates and transformers for notifications using functions and procedures.
* Knowledge of Installation and configuration of IBM WebSphere Message Broker on Windows.
* Experience on Agile methodologies, Conduct code reviews and manage the process. Demonstrated expertise in software requirements gathering and modeling using rational rose and use case diagrams, class diagrams based on UML methodology.
* Extensive experience in developing web pages using **HTML/HTML5, DHTML CSS/CSS3, SASS, LESS, JavaScript, React JS, Redux, Angular JS, jQuery, JSON, Ajax, JQUERY Bootstrap.**
* Highly experienced with modern JavaScript frameworks and libraries like **AngularJS, ReactJS** and jQuery
* Reviewed and ensure the technical feasibility of UI/UX designs.
* Proficient in **Object Oriented Design/Development, Object Oriented Analysis and Design (OOAD), Model View Control (MVC) design pattern, Model-View-View Model (MVVM) design Pattern Team Foundation Server (TFS) and Test-Driven Development (TDD).**
* Researched and analyzed both new and already existing Google materials and analyzed use suitability.
* Developed core functionality with the ASP.NET MVC5 Framework
* Use Window Azure to deploy the application on cloud and managing the session
* Deployed and Maintained windows phone applications on **Azure cloud technologies**.
* Proficient in relational database such as SQL and Oracle11g R2.
* Extensive experience in working on projects with Waterfall and Agile methodologies such as Test-Driven Development (TDD) and SCRUM.
* Developed multiple POCs to create an interface between Backend to Frontend by using NoSQL, Angular 2/4/5, Aurelia and Node.js.
* Very Good Written, Oral, communication, problem solving, and inter-personal skills.
* Ability to work independently and as an active team player.
* Highly result-oriented and pro-active, proven abilities to learn new technologies quickly and implementing them successfully in project.

**Education:**

* Bachelor of Engineering degree in IT from JNT University, India 2012
* Master’s degree in computer science from Northwestern Polytechnic University, CA, 2016

**Technical Skills**

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| --- | --- |
| **Operating Systems** | Windows 7,8, 10 and MacOS |
| **Scripting Languages** | JavaScript, JQuery, Angular JS |
| **Frameworks** | NET Framework 4.0/3.5/2.0/1. x.  |
| **Scripting Languages** | JavaScript, JQuery, Angular JS, Express.js, Angular 2/4/5/814, HTML, DHTML, CSHTML, Master Pages, Bootstrap, Angular JS, CSS, j Query, AJAX ,Type Script, Node JS, React JS, Ext JS. Json |
| **Web Technologies** | Azure Services, ASP.Net, ADO.NET, MVC, SOAP/REST Web Services, |
| **Software Application** | VisualStudio.Net, Dreamweaver and Expression Blend. |
| **Reports** | Visual Studio 2015/2013/2010/2008, SSMS \ SQL Server Reporting Services, Crystal Reports. |
| **Web Servers** | IIS, ASP.NET Web Development Server |
| **Methodologies** | Agile, waterfall, SCRUM, TDD |
| **Version Control Tools** | VSTS, Git, Team Foundation Server (TFS) \ Agile (Scrum), Waterfall Models |
| **Database** | MS SQL Server 2014/2012/2008, MS - Access \ ADO.NET, LINQ to SQL, Entity Framework, T-SQL |
| **Third Party Frameworks** | Telerik Controls and Infragistics. |

**Professional Experience**

**Microsoft , Remote April 2022 - Present.**

**Role: Sr.Net Developer Lead**

**Responsibilities:**

* Performed Extensive logging and error handling in **C#.**
* Involved in writing **SQL**commands using stored procedures, triggers, views.
* Implemented and wrote client-side scripts using java script, business logic, look up list for data table in C#.
* Worked on Visual Studio 2022/ .Net CORE 6.0 Framework to implement Business Logic.
* Developed new components using HTML5, CSS3, Bootstrap 3, with latest Angular versions.
* Used **C#** to develop code business and repository layer.
* Utilizing kusto queries to find out the logs from prod database and finding root cause of the deployment failures
* Experience with strongly typed view models and helpers and partial views using ASP.NET MVC3, HTML5,CSS 3, jQuery, C #, VisualStudio2010 and Telerik controls.
* Responsible for Designing and Developing the Reusable UI Components Like MVC Master Pages

 Layouts and Nested Layouts’, ‘View Start’ and MVC User Controls ‘Partial Views’.

* Used ASP.NET MVC Page Controller pattern to add functionality to individual pages such that to accept
* input from the page request, invoke the requested actions.
* Used visual studio .Net debugger and asp.net functionality to debug the application.
* Involved in UnitTesting, Documentation, Debugging and bug fixing in existing applications
* Worked on escalated tasks related to Offical build issues, complexed azure devops pipeline issues, with onebranch support team and mitigation process.
* Created RESTFUL services using Web API, built HTTP services and formatted responses using web API media type formatter to JSON.
* Build pipelines to pull data from different data sources using python.
* Build pipelines to pull data from different data sources using python.
* Automated efficient scripts for **ETL** using various scripting languages like **Python**, **SQL Server, Batch, SFTP, SSIS with C#**, which is later used for interactive dashboards, the storyline on the web.
* Developed Python scripts to parse data from Google Sheets and load it into the MYSQL database
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker.
* Experienced in Implementing python along with various libraries such as pandas, NumPy, matplotlib, and pytest for unit testing.
* Hand on experience ion investigation and mitigation cluster failures on different regions.
* Managing IcM’s for azure clusters and updating Root cause failures and working with other teams to mitigate the issues and documenting it.
* Developed custom policies in Azure APIM for caching, throttling, and request/response transformations, enhancing API performance and reliability.
* Managed Azure API Management instances for multiple clients, tailoring solutions to meet specific business needs and regulatory requirements.
* Integrated APIM with other Azure services such as Azure Functions, Logic Apps, and Azure SQL Database to build scalable and reliable cloud solutions.
* Documented API management processes and best practices, facilitating knowledge sharing and training within the team.
* Implemented security best practices for API management, including IP filtering, SSL/TLS, and threat detection, enhancing the overall security posture.
* Used JavaScript , JQuery, CSS,Bootstrap ,HTML and Angular JS for the client side validations and Angular JS Controller to control data of the Angular application and also developed graphs.
* Expertise in design and development of web and enterprise applications using React, Redux, Angular, jQuery, HTML5, CSS3, ES6.
* Integrated Terraform with Jenkins pipelines to automate infrastructure deployments, reducing deployment time.
* Developed and maintained reusable Terraform modules to standardize resource creation and ensure best practices.
* Implemented Terraform configurations to automate the setup of GCP resources, including VPCs, Compute Instances, and Kubernetes clusters.
* Established remote state management and locking mechanisms using Terraform Cloud to prevent conflicts and ensure data integrity.
* Wrote code in HTML, CSS, JavaScript, React JS, and Redux making use of Bootstrap framework and testing the functionalities using Jest, Enzyme, and Cypress.
* Worked extensively on React JS, Twitter Bootstrap, Restful web-services, HTML5, CSS3, JSON, Media queries for responsiveness
* Used Native HTML and custom tags to increase the quality and quantity for Search engine optimization (SEO).
* Implemented client-side Interface using React JS and used various predefined components from NPM (Node Package Manager) and Redux library.
* Extensively used Material-UI to apply different styles, themes, icons and layouts for varying screen sizes and pixels.
* Imported Material-UI components and use them inside your React app to style and maintain the look and feel of the web page.
* Performed application life-cycle process using React-Hook introduced in React 16.8.0
* Maintained high level expertise in react state management, including redux, redux persist and redux saga.
* Enhanced React application's performance with React. Lazy for lazily loaded components
* Used NPM for installing required node modules and other published React NPM modules.
* Worked on error trapping on the entire project into event logs and sent mails using SMTP Client email Server.
* Preferable Azure by creating multilevel hybrid pipeline of CI & CD helped clients to achieve kubernetes

platform.

* Automated various infrastructure activities like Continuous Deployment, Application Server setup, stack monitoring using Ansible Playbooks using Jenkins.
* Using Jenkins as tool for CI/CD integrations and deployments.
* Using Docker and K8S to create the Docker Image and cluster deployments.
* Skilled in diagnosing and resolving issues related to GCP infrastructure, services, and applications, providing timely support and ensuring high availability and reliability of cloud environments.
* Using Knowledgeable about GCP's security features and best practices, including Identity and Access Management (IAM), encryption mechanisms, and compliance standards such as HIPAA and GDPR, ensuring data protection and regulatory compliance.
* Using Docker Demonstrated expertise in utilizing a wide range of GCP services Compute Engine.
* Demonstrated expertise in utilizing a wide range of GCP services including Compute Engine
* Implemented cluster services using Docker and Azure Kubernetes services (AKS) to manage local deployments in kubernetes by building a self-hosted kubernetes cluster using Jenkins CI/CD pipeline.
* Leading the junior developers on azure related issues.
* Implemented Auth Token consumption such as OAUTH, SAML, Token using c# programming.
* Experience in building Microservices using Azure Cloud Services such as Azure SQL, Azure Storage, Azure Cosmos, Azure Redis, Azure Event Hub, Azure Service Bus and Event Grids.
* Developed a Win forms in C# that manages the user roles, survey, rules and used it to pull out the profile placed from the SQL database using Entity framework and ADO.NET.
* Used ASP.net Grid View functionality by implementing various events like Row data bound events, row selected events.
* Designed and implemented Single Sign-On (SSO) solutions using OAuth 2.0, OpenID Connect, and SAML, improving user experience and security across multiple platforms.
* Developed and maintained secure RESTful APIs with JWT authentication, ensuring stateless and scalable authentication mechanisms.
* Conducted security assessments and audits on SSO and JWT implementations, identifying and mitigating potential vulnerabilities and risks.
* Worked closely with DevOps teams to integrate SSO and JWT solutions into CI/CD pipelines, automating the deployment and testing of authentication features.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Automated compliance testing within the CI/CD process to ensure adherence to industry standards, reducing compliance issues..
* Executed unit tests using NUnit and xUnit, identifying and fixing critical bugs early in the development cycle.
* Assisted in the development and execution of unit tests using NUnit and xUnit frameworks, contributing to higher code quality and fewer production bugs.
* Automated regression testing with NUnit, ensuring stability and consistency of software releases.
* Documented CI/CD processes and provided training to team members, improving team capability and knowledge sharing.
* Assisted in the implementation and management of CI/CD pipelines using Jenkins, leading to more efficient and reliable software deployments.
* security checks into CI/CD pipelines using SonarQube and OWASP ZAP, reducing vulnerabilities and ensuring compliance with security standards.
* Building the new application from scratch and involved in migrating the application from Angular 2.0 to Angular 14 and .Net 4.5 to Net CORE 6.0 with visual studio 2022
* strongly typed collections of object and various data source, XML documents, Web services.
* Used XML Reader for reading the XML files or XML documents.
* Worked on Restful API’s for creating a login page using ASP.Net MVC4.

**Environment**:  C# , Asp.net, .Netcore 6.0,Visual Studio , azure prod cluster deployments, Azure Devops, VSTS, Kutso DB, POWER APPS,Terraform, SSRS,ADO.Net,Kubernates, Docker N-Tier Architecture ,WCF, Angular 2,14,Bootstrap, jQuery / Javascript,Python, HTML, XML, REST API, Entity Framework, Entity framework ORM, Vs 2022

**CVS HEALTH, Virginia November 2020 – March 2022 Role: Sr .Net Developer**

**Responsibilities:**

* Involved in development of application and enhancement of existing applications Omniview/MyOmniview to provide additional functionality.
* Developed web forms in **ASP.NET**using **C#.NET, AJAX** controls,**HTML** and **Java scripts.**
* Involved on developing applications using **Azure.**
* Responsible for designing the ASP.NET application authentication using .NET Framework, Model View Controller MVC and IIS security model.
* Written complex**SQL** scripts, views in management studio
* Develop complex **MVC Controller, View Models** and Helper methods linked to backend database.
* Developed **ASP.NET** using **MVC 5 (Model-View-Controller)** pattern with WCF
* Developed different User controls which inputs the data and display the data for the web Applications using A**SP.NET**, **MVC.**
* Involved in front end Application development using in ASP.NET, AJAX using C#, and back end in SQL Server 2008.
* Experience in building Microservices using Azure Cloud Services
* Implemented Auth Token consumption such as OAUTH, SAML, or JWT Token with .Net stack
* Experience with **Microsoft Azure** Services like **IaaS and PaaS.**
* Converted .Net application to Microsoft **Azure Cloud Service Project** as part of cloud deployment.
* Worked and resolved on High severity Checkmarx/ Contrast. Vulnerabilities.
* Responsible for testing, fixing the bugs and troubleshooting the technical problems
* Created **Dropdown and Drill** through reports using **SSRS.**
* Imported data from flat files to SQL Server database using **SSIS**.
* Written stored procedures in **SQL server**.
* Used team foundation server as source control and resolved **QA** bugs for front end and back-end application.

Environment:  Azure services, .NET 4.5, C#.NET, WCF,SQL Server 2012, MVC 5.0, SQL Server Management Studio (SSMS), SSRS, Checkmarx, Contrast, TFS.

**UPS, Timonium, MD July 2019 – September 2020**

**Role: .Net Developer with UI**

**Responsibilities:**

* Involved in different phases of SDLC including requirement analysis and architectural design phases of the project using Agile methodologies.
* Involved in iterative, test - driven and SCRUM method of agile Methodology.
* Responsible for Designing coding developing and implementing application using C .net and vb.net.
* Developed various Stored Procedures for the data retrieval from the database and generated different types of reports using SQL Reporting services (SSRS).
* Implemented JWT Token based authentication to secure the ASP.NET Core Web API and provide authorization to different users.
* Created SSIS Packages to load the data from different applications sources like Excel, JIL, Flat File into SQL Repository.
* Involved in **Testing**, **Debugging**, Tracing the application for errors, **Documentation**, and **maintenance** of the application.
* Managed all Memecache containers and Implemented with Stored procedure to maintain Cache data.
* Implementing VnR Logs for Request/response from the DB caches.
* Used Unit testing to simulate different case scenarios to catch potential bugs.
* Worked on **Visual Studio 2017**/2019 with **.Net CORE 2.2 Framework**to implement Business Logic.
* Used strongly typed dataset for Data Access and Data manipulation to SQL Data Source and Oracle Database.
* Deployed web application to Microsoft Azure Service.
* Use Window Azure to deploy the application on cloud and managing the sessions.
* Experience in doing technical level support, reading code and SQL, Running SQL script to verify/validate data.
* Involved in changing the schema of the Data base specified by the business team and pointing the application to new schema in the Data base.
* Developed Form authentication to achieve Web security in the application.
* Worked on SSRS reports and included them in the Application.
* Experience in troubleshooting the application, analyzing, and resolving issues.
* Implemented MS-Unit Testing, Integration Testing and Regression Testing.
* Testing and reproducing the issue to determine if there is a defect
* Resolved technical incidents and prepared unit test plans.
* Developed and maintained .net solutions using Angular 5/8, Type Script, Web API, MVC and Identity management
* Extensively involved in upgrading the existing system from Angular 5 to Angular 8
* Utilized the features of Angular 8.0 to present effective web design
* Assisted in DNN application maintenance and regression testing.
* Created a RESTful / SOAP Web API service using ASP.NET Web API to generate data for the EMS which was then consumed in the front-end by the Angular framework.
* Used SSIS to load files containing information of Providers to the SQL staging database that would later be used for lookup information during the transformation process.
* Experience in design using Object Oriented Programming Principles like Encapsulation, Inheritance, Polymorphism, reusability, and Design patterns.
* Used services provided by Angular such as the HTTP Client to perform HTTP GET.
* Participated in Test Driven Development (TDD) in developing an application in Agile (SCRUM) environment.

**Environment**: .Net Core 2.2, TFS, Azure Services, C#, Visual Studio 2017/19, Angular 5/6/8, SSMS, SQL Developer, postman, LINQ, SSIS, SQL Server2012, ADO.Net,N-Tier Architecture Development,Bootstrap,

 jQuery / Javascript, HTM, XML, REST API, Entity Framework, SOAPUI/PostMan

**Microsoft, Redmond, WA June 2018 – June 2019**

**Role: .Net Developer With UI**

**Responsibilities:**

* Developed web application in Visual Studio 2013 and Microsoft SQL Server 2012. Designed Presentation layer using ASP.NET, AngularJS, Bootstrap, HTML 5, CSS3, JavaScript, jQuery and AJAX using TDD and Agile methodology
* Working in a waterfall environment to deliver higher-quality software.
* Involved in gathering all requirements from the client and provided expertise advice for better enhancement of the application.
* Develop the front-end components using HTML5, CSS3, Bootstrap 3, and Angular 2/4.
* Implemented ASP.NET MVC 5.0 pattern mechanism to display Insurance Claims, Service Transaction, Schedule, and Appointments.
* Utilized ASP.NET input validation controls and JavaScript to perform client-side validation.
* Experienced in End-to-End Software Development Life Cycle using Waterfall (SDLC), Application Development Methodology (ADM) and Agile Methodologies as well ER Diagram, UML Modeling and Data Flow Diagram.
* Experience in building Microservices using Azure Cloud Services
* Used Perforce, Git, Source tree for the version control and source code sharing. Also used the Jenkins build to check the status of the checked in code.
* Developed Email Notification System using MSMQ asynchronous model and .net MSMQ binding.
* Integrated with continuous integration tool Jenkins for running tests on regular basis.
* Maintained a WiX based installer for the iQx platform and set up continuous integration with a Jenkins build serve.
* Used Factories, Services and built many custom directives.
* Developed Data Access Layer using Entity Framework using repository, Aggregator and Façade patterns to access data from SQL and SQL Developer, also used API calls to enterprise API to get data in case of enterprise data.
* Developed Web application using Control Templates, Data Templates, Bindings, Converters, and Routed Events, Command bindings, Commands and new features like LINQ and lambda expressions.
* Migrated existing applications from older web technologies to single page application architecture (SPA) using modern client-side tools like React, Angular 4/5, Typescript and Webpack.
* Involved in developing applications using Angular - Bootstrap like Grids, Toolbars, Panels, Combo-Box and Button etc. Used filters while coding in Angular 4/5.
* Used Angular 4/5 ng If and ng for directives used for validations for the input fields of the forms with the data existed in the database.
* Worked with Http protocols by using Angular 4/5 components to build Restful services.
* Design, Development and Testing of .NET Applications using .NET Framework.
* Developed various user controls to enable reusability across the application.
* Created the Data access layer and Data access objects using Entity framework and LINQ.
* Implement LINQ functions using Lambda Expression to perform CRUD operations on different SQL servers 2014+ using Linked Server and Linked Server Alias.

**Environment**: .Net Framework 4.7, Azure, Angular 2/4/5, C#, ASP.Net,ADO.Net, Visual Studio 2012, JavaScript, HTML5, CSS3,bootstrap, ASP.Net MVC 5.0, XTS, KUSTO DB, LINQ, SSIS, SQL Server2012, WCF,Azure SQL DB

**RYDER, Miami, FL**

**February 2017 - June 2018**

**Role: .Net Developer with UI**

**Responsibilities:**

* Involved in development process of new modules in agile methodology including Analysis, Design, Implementation, Testing and Maintenance
* Used fast paced Agile Methodology, involving in task completion, iteration passing through a full development cycle using N-Tire architecture.
* Using C# programming language and .NET framework 4.x, Silverlight, Web Services, Windows Services to develop this scalable enterprise software, perform unit testing and debugging of applications and databases.
* Web design and development, application development using Photoshop, Dreamweaver, HTML, JavaScript, and Angular JS (2/4)
* Angular 2/4 to develop and implement a user-friendly UI design for the presentation layer.
* Used Angular 2 /4 HTTP Request to get data from web servers and process JSON data to render in the UI.
* Profound knowledge of Angular 2/4 concepts like Dependency Injection, Promises, Services, Scopes, Controllers, and Directives.
* Involved in using MVC pattern for both UI development with Angular and application development with C# and VB.Net.
* Developed rich User Interface for the application using HTML5, CSS and Bootstrap.
* Developing new UI controls either from the scratch or customizing the third-party controls (usually Telerik here) as per Walmart’s requirements on case-by-case basis.
* Used Model View model (MVVM) design pattern for developing the application.
* Created and deployed Web Services using C#, RESTful services to retrieve Data.
* Optimized service call duration using Multithreading techniques with WCF
* Implemented some of the features with Dependency Injection and used Bootstrap JS to support across multiple platforms.
* Developed responsive admin module using knockout JS.
* Used LINQ to query the data model and manipulate the data.
* Performing the database development in SQL Server for holding the User's Information.
* Created SSIS packages to load data from third party data source into application Database.
* Performed Code review and Unit testing for better performance.
* Conducted Unit Testing to verify the individual units of the source code.
* Used Team Foundation Server (TFS) for version control of the source code along with the maintenance of the builds and the relevant documents of the same.

**Environment:** Visual Studio 2010/2012, C#, Silverlight, HTML5, MVC 5, CSS3, Angular, jQuery, Bootstrap JS, SQL Server 2008/2014, TFS (team foundation server), Windows Services ADO.NET, ADO.Net,N-Tier Architecture Development, jQuery / Javascript, XML, SOAP API, Entity Framework, SOAPUI/PostMan

**Kubicals Technosoft, Hyderabad India October 2012 – April 2015**

**Role: .Net Developer**

**Responsibilities:**

* Involved in designing and coding for Horticulture Project.
* Involved in gathering all requirements from the client and provided expertise advice for better enhancement of the application.
* Involved in Full Systems Development Life Cycle (SDLC) and architectural design.
* Designed User Interface using Web Forms, Win forms, DHTML, XSLT, XML, JavaScript, AJAX, CSS, ASP.NET, Server Controls and Visual Studio.Net.
* Validation controls by using C#.NET and JavaScript were implemented to perform validations.
* Worked on .NET Security features such as Forms-based Authentication and Role-based Authorization.
* Extensively worked on WinForms using C#, which involved Multithreading.
* Worked on migration of ASP.NET using Visual Studio 2008.
* Converted all the in-line SQL into stored procedure in SQL 2008 for better execution.
* Used Data Grid, Grid View and Repeater for various pages.
* Designing database schemas.
* Involved in unit testing for various pages.
* Created database triggers and stored procedures in Data Layer of the Recreation Dynamics.
* Designed and developed Search query in SQL.
* Created a triggers, cursor, functions, and collections in SQL.
* Used .NET validation controls on several pages.
* Designed Master Pages, Themes and Profiles for consistency and look and feel of website.
* Created various SSRS reports for department.

**Environment:** .NET Framework, ASP.NET, C#.Net, Web Services, Web controls, Microsoft SQL Server 2008, LINQ, AJAX, JavaScript, ADO.Net, JQuery, HTML, DHTML, XSLT, XML, CSS.