## Bharathi Kudumula

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**Summary**

* About **13.9 years** of expertise in the analysis, architecture, design and development of **Multi-Tier**, Client/Server, Windows and Web based applications using Microsoft Technologies.
* Experience in developing applications using the **.Net Framework**, **C#. NET**, **Winforms**, **ASP.NET** **ADO.NET**, **XML Web Services**, **.NET Remoting**, **WCF**, **MVC**, **WPF** **IIS**, **SQL Server 2008** and **Visual Studio.NET, Entity Framework,Javascript,Jquery, Angular JS,JSON, Azure**
* Experience in XML technologies like DOM, XML Schema, DTD, XSLT, SOAP, WSDL and Web Services.
* Experience in **COM+**, **COM**, and **DCOM**.
* Experience in Oracle 8i, **SQL Server** **2000/2005/2008/2010.**
* Experienced in Object Oriented modeling and designing and OO development methodologies.
* Strong experience using **C#.NET, ADO.NET.**
* Hands-on experience using **Visual Studio.NET**, **Visual SourceSafe** and **Team Foundation Server**.
* Excellent working knowledge of Common Language Runtime (CLR), Assemblies, Namespaces, Delegates, Security Policy, COM & .NET interoperability.
* Excellent project development and testing experience on multiple platforms– **Windows 2000/XP**, **Windows Server 2008**.
* With strong fundamentals and advanced practical knowledge of Networks, Databases, Operating Systems, Software Engineering, Object Oriented Concepts and Design Patterns.
* Possess excellent multitasking, prioritizing, teamwork, leadership and communication skills.
* Experience in **Agile** **Scrum** SDLC methodologies
* Knowledge in Microsoft sync framework.
* Experience in MVC4 Design Pattern using VS 2012.
* Experience in Rest API.
* Experience in Python Programming with **Django,Tkinter**
* Experience in **Data** **Analysis** with Python using **Jupiter**
* Very good experience in **SOLID** Principles and design pattern.
* Experience in dependency Injection with asp.net core .
* Experience in Microsoft entity framework
* Taking online courses on Angular JS 2
* Exposure on Single page applications using Angular 8 JS with Angular Material
* Experience using Source control GitHub and Nugget Packages
* Exposure on Microsoft Azure applications
* Experience in Software-as-a-Service (SAAS), Platform-as-a-Service (PAAS), infrastructure-as-a-service (IAAS)
* Experience in Azure Cloud service and storage types Blobs, Pages, Queue, Files
* Experience in Azure Power shell scripting
* Experience in Azure Virtual machines and Virtual Networks
* Deploying Angular APP, API and Azure functions using CI/CD pipelines using YAML in cloud azure portal .

**Education:**

* **Certified** in Microsoft .NET Framework 3.5 –Windows Communication Foundation
* **Master of Computer Applications** atkakathiya university2006
* **Bachelor of Computer Science** at kakathiya university 2002

#### **Technical Skills**:

|  |  |
| --- | --- |
| **Microsoft Technologies** | .NetFramework,C#.Net,ASP.Net,ADO.Net,XML,WebServices,COM,COM+,WCF,MVC4,MVP,HTML,SSIS,SSRS,**WPF**,XAML,Rest Services, backbone with Marionette framework. |
| **Programming Languages** | C#, VB.NET, VB 6.0, C++, C,Asp.net,Python |
| **Web Scripting Languages** | Java Script, VB Script, JQuery,Json,AngularJS |
| **Database Technologies** | SQL Server 2000/2005/2008/2010, Oracle 8*i*,9*i*, MS Access, SQL |
| **XML Technologies** | XML, XSLT, DOM, SAX, XPath, SOAP, WSDL, UDDI, Web Services.,XAML |
| **Operating Systems** | Windows 95/98/2000/NT,XP,Winddows7and 10 |
| **Development Tools** | Visual Studio.Net, Visio, Visual SourceSafe |
| **Application Servers** | IIS, Azure |
| **Version Control Tools** | Visual Source Safe (VSS), , Team Foundation Server, Git hub Repository  |

**Work Experience:**

**June-2019 -till now**

**Project : WIN-FIN Next Gen Automation Tool**

**Client : Chevron**

**Role :Senior Azure Developer**

**WINFIN Next Gen** is fully automated Workflow tool. This tool will help Business users to avoid manual entry for Well Information and Facility Information . This will avoid Facility Manager to Walk to facility and generate meter numbers and set up facility and Center tank Batteries .This is developed using azure functions and logical apps. It will pull the data from different sources and write to EC (Energy Component) Production. It will trigger the Process the data from Azure sql data base to onPrime Oracle Data base using hybrid connection on blob file upload. It will process the data from different sources to EC data base. I will send the email automated email notifications to users. It will also help users to search popped well’s in production using WIN FIN Next Gen Front End Application. The users should be able to subscribe using email notification preferences.

**Responsibilities:**

* Developed **logic apps** and **automated workflows** with automated email notifications.
* Involved in developing customized **azure functions** in asp.net core framework

Involved in deployments with **ci/cd pipelines** using ansible roles using yaml scripts

* Extensively used **blob storage account** with container to store the excel file and no SQL tables using Storage accounts.
* Created azure SQL server and database with ansible roles
* Integrated with hybrid connection with on prime data base like oracle through Hybrid connection manager
* **key vault** configuration for secret keys
* Developed API & angular 8 app to pull data from azure SQL server
* Developed **Data Factory** Service on trigger based from Blob
* Involved in **Dac pack** Project deployments for SQL Data base projects.
* Integrated **Data bricks** api to Poll status Data brick Job and Read status from API.
* Developed **Service Bus Messaging Queues** and **topics** publishers /subscribers.

**March 2018-June 2019**

**Project: PCCI**

**Client: Kindermorgan**

**Role: Senior Software Developer**

PCCI is designed to assist Shippers in setting up their proposed monthly volumes for each product to be delivered at each location to their customers by specific suppliers. Window shows the pipeline nomination & Renewable fuel Nomination volumes for each supplier at each location, and the total volume is calculated for each product code section. Shippers are able to change daily changes. Shippers are able to view ticket details, transfer memos. Shippers are able to schedule reports and historical reports.

**Responsibilities:**

* Interacting with client end users during the requirement gathering sessions weekly.
* Involving in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, Development and Integration testing of various customer specific modules.
* Participating in daily scrum meetings in Agile -daily Scrum methodology for development process.
* Developed high level functional specifications and technical documents for requirements.
* Developing User friendly Windows applications using Kindermorgan framework with Infragistic controls.
* Develop responsive web Page using Angular APP / Bootstrap to support different devices and document detailed descriptions of application development.
* Analyze, design and develop complex SSRS reports such as Sub-Reports, Parameterized Reports, Drill-Down Reports, Drill-Through Reports, and Snapshot Reports in SQL Server Reporting Services (SSRS) Involved in support on fixing critical issues in Web application and Windows Applications.
* Migrated SSRS reports and implemented report subscriptions
* Developing Projects in Kindermorgan framework development using Infragistic controls.
* Migrating applications from vs2012 to vs 2015 using Kinder Morgan framework using Infragistic controls.
* Developing complex reports using SSRS reports
* Involved in support on fixing critical issues in Web application and Windows Applications
* Developing back group Jobs to run store procedures as services using tidal agent
* Creating REST API Services to read the data from the other Data source.
* Extensively used team foundation server to merge /branch with labeling in Team Foundation server.
* Develop responsive web Page using Angular APP / Bootstrap to support different devices and document detailed descriptions of application development.
* Design and develop middleware exe and services using VB.NET and SOLID design principles.
* Involving in writing SQL queries, cursors and active triggers, store procedures and views in SQL Server database.
* Perform query optimization and performance tuning using performance monitoring tools such as SQL Server Profiler and Database Engine Tuning Advisor, as well as Analyzing Execution Plans.
* Analyze, design and develop complex reports such as Sub-Reports, Parameterized Reports, Drill-Down Reports, Drill-Through Reports, bar graph and Snapshot Reports in SQL Server Reporting Services (SSRS).
* Develop replication service engine to mirror data across multiple database.
* Developing the Workflow application to transfer to transfer product from one shipper to other shipper with approve/reject actions through email notifications.
* Developing Windows application integrated with excel or word integrated with to import and export data from excel.
* Developing the web page according to client requirements using JavaScript and AngularJS.
* Perform weekly Dev to Stage and Stage to Prod deployments.
* Participating in Production build/deployment schedules and planning.
* Involving in analyzing and resolving production issues during production support.
* Extensively using JIRA application for tracking Project related issues.

**Sep2017 –March 2018**

**Project: Mastiff Applications**

**Client: Wells Fargo Securities**

**Role-Senior Aps Engineer**

Mastiff applications are Windows applications. These applications are used by Front office users and Business management team to organize and store all Volcker documentation for their respective trading Desks. It also used for the Client accounts and middle office users and Static Data team to Create to manage inventories books and create and manage Trading Units through mastiff applications. We have created Daily, weekly, monthly reports for the Inventory Information. These applications are works through work flow to activate and approve inventories created by Middle office users.

**Responsibilities:**

* + Used TFS build definitions for Production deployments.
	+ Migrated Views from oracle Data base to SQL server Data
	+ Extensively used JIRA Application for Tracking Project related issues
	+ Interacted with the client end-users during requirements gathering sessions.
	+ I have prepared requirement documents.
	+ Involved in support on fixing critical issues in windows application.
	+ Experience in using **GitHub** Repositories
	+ Jenkins server to deploy **Nugget** packages to server
	+ Involved in the Deployment Process using **UDeploy** tool
	+ Developing applications using SQL server and oracle scripts

**Environment**: C#.net, SQL Server 2012,Visual Studio 2015, .Net 4.0/.net 4.5, TFS 2012,WPF,Rest API, Oracle, Infragistic Controls ,SSRS,SSIS,DEV Express Controls , XPF Framework , GitHub, Jenkins, UDeploy ,TFS 2015

Oct 2013 to Sep 2017

**Project:** ROWDMAP

**Client:** Kinder Morgan, Houston, TX

**Role:** Senior Software Developer

ROWDMAP was old version of web application. We migrated to web to windows application. It standards for Right of way development application Process .ROWDMAP Application is used to store company and pipeline information. ROWDMAP is region based application. It has few modules Party Of interest, Tracts, documents, Payments and Obligation and Land Owner information .ROWDMAP supports to run check on weekly, monthly, quarterly, yearly .ROWDMAP Application has more than hundred reports which are developed in SSRS .ROWMDAP supports to store attachments in binary format. It has few challenges like read data from excel to display in grid format. ROWDMAP is more secured with application roles and access permissions. ROWDMAP is user friendly to search filter with more than 30 to 40 fields with different operations. ROWDMAP integrated to external vendors to Process xml data in to ROWDMAP Data base.

**Responsibilities:**

1. Interacted with the client end-users during requirements gathering sessions.
2. I have prepared requirement documents.
3. I was debugging through the web application and gathering requirements to migrate to windows application.
4. I was supporting the **ROWDMAP** web application
5. Involved in support on fixing critical issues in Web application.
6. Developed the windows application in **VS 2012** and SQL server 2012.
7. Developed and deployed the **SSRS** reports.
8. Migrated SSRS reports and implemented report subscriptions
9. Integrated the Infragitics control with Kidermorgan Framework.
10. Developed **stored procedures**, automated **SQL, T-SQL** scripts for database creation, maintenance, deployment and installation.
11. Developed the requirements specification, story points, technical, support, administration manuals and end user documents.
12. Created Tree navigations, tab controls, calendar controls using **Infragistics** Library.
13. Extensively used team foundation server to merge /branch with labeling in Team Foundation server.
14. I have involved in deployment on monthly basis.
15. I have worked excel integrated with Windows application to import and export data from excel.
16. I have involved Integration testing.
17. Used TFS build definitions for Production deployments.
18. Created and executed python script to run in **ARC MAP** and **ARC GIS** tools.
19. Implemented bulk import functionality with XML to SQL server.
20. Created WinForms with XAML using WPF
21. Created **REST API** for third party vendors to integrate their data into **ROWDMAP** Application
22. Implemented **OWIN Authentication** to authenticate User request
23. Implemented **Asp.net Identity** Security on **Rest API**
24. Migrated Views from oracle Data base to SQL server Data
25. Extensively used **JIRA** Application for Tracking Project related issues

**Environment**: Vb.net,C#.net, SQL Server 2012,Kinder Morgan Framework, Visual Studio 2012, .Net 4.0/.net 4.5, TFS 2012,WPF,Rest API, Oracle, Infragistic Controls ,SSRS,SSIS

Jan 2013 to Sep 2013

**Project:** e-Bay e-Link

**Client:** Hollander, Minneapolis, MN

**Role:** Senior Software Developer

**Description**:

Hollander e-Link is MVC4 internet application. Hollander e-Link is available to Hollander Power Link Yard Management System customers in the U.S. Powerlink is a comprehensive yard management system featuring easy-to-use tools that let you efficiently manage inventory and sell more parts. Based on Microsoft Windows and integrated with Hollander Interchange, the most widely-used parts interchange database, Powerlink quickly matches customer requests to parts you have in stock. e-Bay Motors work orders, delivery tickets and invoices are easily identified within the system and are reported separately from other channels. All sales, online and store are processed through a single integrated system. Selling parts via Hollander e-Link is cost effective-Link provides automotive recycles with technology that increase sales and improves profits’-link application integrates the eBay Motors sales into the Powerlink order using e-Link API. E-Link API is the servicer Rest Service application.

**Responsibilities:**

1. Interacted with the client end-users during requirements gathering sessions.
2. Developed the application in **MVC4** Design pattern using VS 2012.
3. Developed the **REST API** to integrate e-Bay sells into powered link
4. Developed the application using Agile **Scrum** Methodology.
5. Involved in the Daily scrum calls, reviews and planning.
6. Developed Data Access Layer using **Entity framework** using schemas and repositories.
7. Developed the **LINQ** Expressions for dynamics filters for huge number of filter fields.
8. Developed Extensions classes using **c#.net**.
9. Integrated the Kendo grid third party control.
10. Developed UI with Accordion using Jquery Libraries.
11. Developed Modal Dialog using Jquery Libraries.
12. Developed pages using Razor View Engine.
13. Developed membership providers for Login the application.
14. Developed **stored procedures**, automated **SQL, T-SQL** scripts for database creation, maintenance, deployment and installation.
15. Developed the requirements specification, story points, technical, support, administration manuals and end user documents.
16. Created Validations using **JQuery** in web pages.
17. Created tab controls, calendar controls and place holder for textbox using **JQuery** Library.
18. Developed the Proxy Manager to mapping to the Rest API using Automapper third party tool.
19. Created single page application with **backbone** with **Marionette** framework.
20. Created controller class using bankbone.js.
21. Experience in using team foundations server.
22. Deployed Rest Service in **Azure**
23. Tested Application with **NUnit** Test

**Environment**: C #4.0, Asp.net4.0, SQL Server 2008,Entity Framework, Visual Studio 2012, .Net 4.0, TFS 2012, MVC4, Angular JS, bootstrap,HTML5,CSS,Kendo Grid

Jan 2012 to Jan 2013

**Project:** Standard Work Tool

**Client:** Hamilton Sundstrand, **Danbury, CT**

**Role:** Senior Software Developer

**Description**:

The Standard Work Tool represents a Web Enabled application that will provide technical content and data to users in support of the design and development process. Standard Work Tool manages the Process structure to build the applications. It will maintain the Standard files in the in the Documentum server and application will display the all users information from the Database and Documentum.

**Responsibilities:**

1. Interacted with the client end-users during requirements gathering sessions.
2. Developed the software specification documents for the system.
3. Developed the business **Use Cases** and **Object Model** diagrams of the system architecture.
4. Worked with functional analysts to define Use Cases and patterns.
5. Designed the enterprise components at the Presentation, Business Logic and Data Access Layers of the system.
6. Responsible for designing the Security model of the system.
7. Involved in preparing Use Case, Sequential and Class diagrams using **Visio** for **C#.NET** modules.
8. Designed dynamic query layouts stored as XML documents and developed the application allowing for extensibility.
9. Created Context menus in **Webforms** for Admin Tool.
10. Developed Business Object routines in **C#.NET**.
11. Developed library routines and **Web Controls** using **ASP.NET** for Reporting and UI Tools.
12. Developed Web Services using **ASP.NET, SOAP, XML, WSDL, UDDI, and DISCO** for the vendors and customers to interact with the system.
13. Stored meta-data in **SQL Server 2008** using **Entity Framework** and XML.
14. Developed Security model using verification process, code access security and role-based security.
15. Designed and implemented a dynamic report generation engine using **Winforms** facilitating conversion of data from the database to dynamic reports.
16. Developed **.NET Interop** and COM Interop wrappers for integrating enterprise .NET components tightly with COM, COM+ components.
17. Developed **XML Web Services** using C#.NET, ASP.NET and .NET Remoting components for exposing the functionalities of the enterprise business components at the Business Layer.
18. Designed the backend database using **3NF normalization** on **SQL Server 2008**.
19. Developed **stored procedures**, **triggers** and automated **SQL, T-SQL** scripts for database creation, maintenance, deployment and installation.
20. Designed and developed Reports using **Report Viewer Controls**.
21. Developed the requirements specification, design, technical, support, administration manuals and end user documents.
22. Developed Report scheduler through coding using Report Viewer Web service.
23. Developed dynamic report subscriptions with parameters.
24. Developed **WCF** services to Create/Update documents in the Documentum Server.
25. Created using **JQuery** Validations in web pages.
26. Created Modal Dialogs, tab controls, calendar controls and place holder for textbox using **JQuery** references.

**Environment**: C #4.0,Asp.net4.0, SQL Server 2008,Entity Framework, Visual Studio 2008/2010, .Net 3.5/4.0, TFS 2010,HTML,CSS,Boostrap

March 2009 to Dec 2011

**Project:** DAAG Tool

**Client:** Deloitte, Tampa, FL

**Description**:

Deloitte Advanced Analytics Group (DAAG) is a group of practitioners focused on developing analytical solutions for business issues. The group resides within the Strategy and Operations (S&O) team in Consulting. Improve the client’s performance by using financial data to benchmark against its peers and develop a customized road map of projects that can be conducted to improve performance. User should be able to export to Data from Application Excel, PDF File Formats. User should be able to see the financial data in graphical Representation as Pie Charts, Bar Graphs. User should be able to import the data from excel Template to Database. Developed reports as separate module using **MVC** Pattern

**Responsibilities**:

* Designed and developed the C#.NET,Asp.net3.5 using .net 3.5
* Developed console applications and windows services to run automation processes.
* Designed and Developed Stored Procedures, Functions, Triggers and Views.
* Prepared to design Technical and User Documentation.
1. Developed Business Object routines in **C#.NET** and **LINQ**.
* Designed and developed **Web Controls** library using **C#.NET.**
* Created using **JQuery** Validations in web pages.
* Created Modal Dialogs, tab controls, Calendar controls, and Place holder for textbox using

 **JQuery** references.

* Developed reports using **MVC** Pattern as separate module.
* Developed reports using Razor view engine with **MVC**
* Implemented Unit testing using **MVC** Pattern.
* Experienced in Working with **Telerik** controls

**Environment**: c#.net 2.0, MVC3, SQL Server 2005/2008, LINQ, Visual Studio 2008/2010, .Net 3.5,Telerik Controls

HTML, CSS, Entity Framework

July 2008 to Feb 2009

**Project:** TAAW (Target & Alignment Admin Windows Tool)

**Client** : Bristol Myers Squib, New York, NY

**Description**:

The system will be developed for use within U.S. Pharmaceuticals (USP) and will be used by the Targeting and Alignment department and the USP Sales Force the End User details end-user needs and intended uses for Target Refinement (TR), Email dlists, Alignment Lookup Tool, Alignment Cleanup Tool, Maps software data source, Outlet Sub Category Code Exclusion Maintenance and the proposed functionality to satisfy the business or CIA requirements. System administrator should be able to create Territories and regions and Category .Administrator should be able to create user. System should be able to generate to automated email notification to the Users.

 **Responsibilities**:

* Designed and developed the C#.NET Window forms.
* Developed console applications and windows services to run automation processes
* Developed complex stored procedures, tuning the performance of the application with Oracle 9i.
* Designed and Developed Stored Procedures, Functions, Triggers and Views.
* Created Context menus in **Winforms** for Admin Tool.
* Developed Business Object routines in **C#.NET** and **ADO.NET**.
* Created using **Java script** Validations in web pages.
* Created Modal Dialog, Calendar using **Java script**.
* Implemented Web camera using C#.net using WPF.
* Developed User Interface using Xaml in WPF Application.

**Environment**: C#.net 2.0, Wpf, Oracle 9i, Visual Studio 2005, .NET Framework, SSIS and SSRS, MVC

Nov 2007 to June 2008

**Project:** Pluvia Portal

**Client:** KrunchBox,

**Description**:

Pluvia Portal is a web application to monitor the gap between demand &supply, managing stock on hand of Umbrellas based on weather forecast. Application automatically arrives at the demand for the Umbrellas, by taking into account the stock on hand at the dealer/store and weather conditions in his area/region.

**Responsibilities**:

* Developed Web Applications using ASP.NET3.5 ,HTML
* Responsible for gathering requirement from the Client.
* Involved in Architecture Design database design.
* Responsible for Developing Reporting Services.
* **Google Maps** Integration using **Google API** using Web services.
* Integrated the Weather forecast details in Website using RSS reader.
* Responsible for Deploying the Application.
* Created using **Java script** Validations in web pages.
* Created Modal Dialog, Calendar, using **Java script**.

**Environment** : SQL Server 2008, VB.Net, ADO.Net, ASP.net 2.0, AJAX, Visual Studio 2008, .Net 3.5, **Telerik** Controls, SSRS, Web Services

Oct 2006 to Nov 2007

**Project:** Trident Life Sciences

**Client:** Axis Clinical

**Description**:

Trident Life Sciencesbiometric system is to make it possible to register the volunteers and test the volunteers for the required studies, visits and payments of the volunteers for a particular study. This application exists in VB and MS Access Database application migrating to Windows application Using C#.net, Sql server 2008 to improve the application performance, scalability.

 **Responsibilities**:

* Developed Win forms/Applications using VS.Net 2008
* Object Oriented Programming using C#.net to develop new screens and applications.
* Integrated **Biometric Finger Devices** for Security Purpose using C#.net
* Developed Windows Console Applications to run the reports.
* Writing New Stored procedures, Functions, Views and Triggers
* Converted Windows Screens to comply with SQL Server.
* Created using **Java script** client side validations in web pages.
* Created Modal Dialog, Calendar using **Java script**.
* Knowledge in pharmaceutical domain

**Environment**: C#.net, Wpf, MS Access, Visual Studio 2008, TFS2008, .NET 3.5 Framework, Win Forms 2008.

April 2006 to Sep 2006

**Position**: Software Engineer

**Project:** Point of Sale System

**Client:** NCS, US

**Description**:

Developed a customized proprietary Point of Sale system the application is used at chain of locations for day to day sales transactions, checking of inventory, and clock in, clock out of employee's timings, Bank Deposits and synchronizing with warehouse module for database transactions. This project is having several modules like Sales, Inventory, Reports and Bank Deposits.

**Responsibilities:**

* Designed and developed the C#.NET windows forms using .net 2.0
* Developed console applications and windows.
* Designed and Developed Stored Procedures, Functions, Triggers and Views.
* Maintenance of the existing source code.
* Using Infragitics control to integrate in windows application.
* Expertise in Retail domain

**Environment**: C#.net 2.0, SQL Server 2005, Visual Studio 2005, .NET Framework 2.0, Infragitics.