**Prabakar.N**

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**PROFESSIONALSUMMARY:**

* **Over 8+**years of software experience in **evaluation**, **design**, **development**, **testing**, **maintenance** and **production support** using SDLC process and methodologies. Strong skills and experience in Object-Oriented Programming using the **.NET framework.**
* Experience with Database backup and restore of Project Server/**SharePoint 2016** Databases; Database log file size monitoring and developing Custom .**Net SharePoint based solutions using Visual studio**.
* Extensive experience using SharePoint designer, **K2 workflows**, forms, reports to automate complex business functions.
* Maintained & enhanced existing **WSP** custom features to add more **C#** **Webparts** & timer jobs.
* Having experience in analysis, design, development and deployment of web application for client-server technologies, distributed and object-oriented programming in **N-tier** architecture with Microsoft technologies, following **Agile/Scrum** development methodologies.
* Expertise in developing applications under **.NET Framework 4.5.1/4.5/4/3.5/2.0** using **ASP.Net, ADO.NET, VB.NET, C#, SQL Server, WPF, Silver light.**
* Worked with **Visual Studio 2005/2008/2010/2012/2015**.
* Worked on designing and developing web applications using **HTML4/5, XML, JavaScript, JQuery, JSON, LINQ, Web Services, AJAX, CSS, Master Pages** and **Site Map** to enhance user experience and performance.
* Developed private and public **Web APIs** using **ASP.NET Web API**.
* Extensive experience in designing & normalization of relational database, creating complex database queries using **SQL queries, Stored Procedures, Functions, Views, Indexes and Triggers in SQL Server 2014/2012/2008/2008R2/2005**.
* Extensive experience with **T-SQL** in constructing **Triggers**, Tables, implementing **stored Procedures**, **Functions, Views**, User Profiles, Data Dictionaries and Data Integrity.
* Worked under **Test Driven Design** and Development.
* Strong knowledge at **UML** standards and in preparing Case, Class, Sequence and Activity Diagrams.
* Extensively worked on **Web Services** to provide **SOA** architecture and Configuration based activation applications on **SOAP** and **REST** protocols.
* Extensive backend and front end development experience working with .Net Framework 4.7.2/4.5/4.0/3.5, Visual Studio.NET 2015/2013/2008/2012/2013/2015/2017
* Worked extensively in managing security features in the **.NET framework** like authenticating and authorizing users using **Forms based authentication**, creating **Membership, Profiles**.
* Used Financial Accounting module of Oracle 11i for billing, posting payments and receipts.
* Support included Oracle (versions 8 -12c) & SQL Server (versions 7 - 2012)
* Played a critical role in re-architecture of the system into Oracle using BI as front end resulting in 20M in savings.
* Some of the technologies used on the project were: Java, J2EE, WebLogic , Eclipse, Oracle , HTML, JavaScript.
* Experience with Source Control Management tool i.e. **VSS**, **Tortoise SVN**, **GIT** and **TFS**.
* Implemented Web Parts, **AJAX**, **Webservices** and Globalization in the Project.
* Exposure in solving and debugging problems using **Firebug, Fiddler**, **Developer Tools**.
* Have experience of working in **Bootstrap** for designing **UI**.
* Assisted in creating the environment for Docker Migration. Responsible for Database build, release and configuration.
* Experience in creating and publishing forms using **InfoPath** Designer 2013/2010 and Nintex form 2013.
* Experience in Manual and Automation Testing along with **NUnit Testing**.
* Experience working with AJAX in ASP.NET for asynchronous communication and better user experience.
* Hands on experience in developing and deploying WCF Services on Net 3.5 and XML Web Services with . Net 2.0 providing secure SO integration with in enterprise applications.
* Strong working knowledge in RIA services.
* Experience in creating Docker Containers leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
* Using Docker and Amazon Cloud Architecture that will best utilize our existing technology patents to serve real time needs.
* Strong experience in **Object Oriented Programming (OOP)** and methodologies.
* Proven strong logic, analytical and technological skills
* Highly analytical with strong functional skills in areas in Workday HCM, Compensation, Recruiting, Talent, Absence, Security and Reporting
* Implemented **Multithreading** Concepts to improve the application Performance.
* Team player with excellent communication and written skills analytical and problem solving skills.
* Task-oriented and committed to deliver work products within the established timelines.

**EDUCATIONAL QUALIFICATION:**

Bachelor of Technology in Computer Science, India

**TECHNICAL SKILLS:**

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| --- | --- |
| * **.NET Technologies** | * C#, ASP.NET, .NET Framework 2.0/3.0/3.5/4.0/4.5/4.5.1,4.7.2, ADO.NET, LINQ, Entity Framework, WPF, Silver light 5.1/4.0 |
| * **Practices & Design Patterns** | * Test Driven Development, Agile & Scrum Methodologies, UML, Visio, OOPS, MVP, MVC3/MVC4/MVC5, MVVM |
| * **Web & Scripting Technologies** | * ASP.NET, Web Services, Web Forms, Win Forms, AJAX, AJAX toolkit, HTML/ DHTML, XHTML, XML, XSLT, JavaScript, JQuery, JSON, CSS, IIS 5.0/6.0/7.0, 8.0, VBScript |
| * **Data bases & Servers** | * SQL Server 2005/2008/2008 R2/2010/2012, MySQL, NoSQL, MS Access, IIS 5.0/6/0/7.0. |
| * **Reporting & Testing Tools** | * N-Unit, Jira, Crystal Reports |
| * **Software / IDE** | * Visual Studio 6.0, Microsoft Visual Studio.NET 2005/2008/2010/2012/2015 |
| * **Windows Platform** | * Windows 2000/XP/Vista/7, MS Windows Server 2008, UNIX, MS DOS |
| * **Versioning Tools** | * TFS, SVN, VSS, GitHub |
| * **Protocols** | * SOAP, TCP/IP, HTTP, UDP/IP and FTP |
| * **Other Languages/Office Tools** | * C, C++, MS Outlook, MS SharePoint 2016, MS Office |

**PROFESSIONAL EXPERIENCE:**

**State Of Louisiana, Baton Rouge, LA March 2022 - Present**

**Role: .Net Developer**

**Responsibilities:**

* Involved in all the phases of Software Development Life Cycle (SDLC) including Requirements gathering, Designing, Programming, Testing and Documentation of various projects.
* Used **AGILE SCRUM** methodology to deliver in sprints and Status Meetings, Code Review Meetings.
* Established communication from **JavaScript** Project to **Web API** Project.
* Developed web application using **ASP.NET MVC 5** (Model-View Controller) and JavaScript.
* Used user interface controls, which use jQuery to validate client-side validations.
* Used **JSON** to transmit data between server and Web Application, an alternative to XML Serialization.
* Implemented AJAX features to reduce full post back, for improving the efficiency and interactivity across web applications.
* Developing Azure PaaS services like WebApp, API App, Web Job, Logic App,Function App ,Storage Queue, Service Bus Queue, Azure SQL.
* Created and maintained cloud application, migrated on premises application servers to AZURE.
* Acted as build and release engineer, deployed the services by VSTS (Azure DevOps) pipeline. Created and Maintained pipelines to manage the IAC for all the applications
* Experienced in using Angular.js to test views and to do end to end unit testing by using Continuous Integration/Continuous Deployment(CI/CD)
* Developed visual components through WPF using XAML and Expression Blend.
* Worked on Binding, Styles, Data Template, Control Template, Routed Events, Converters, Layout Panels in XAML
* Experience in creating CI/CD pipeline using TeamCity and **azure DevOps CI/CD**, azure containers, and Azure **Kubernetes Services** (**AKS**).
* Designed and implemented a various of statistical features for profit analysis.
* Scope: NET, ASP.NET/C#, MVC, OOP, MS-SQL, SUBSONIC, JS, HTML, CSS, AJAX, BOOTSTRAP Image Recognition Software Developer Designed and developed the client-server (Android - WCF) augmented reality image recognition software.
* Analyzed existing approaches and created the optimized for mobile devices/network algorithm for architecture recognition.
* Implemented design patterns and the entire backend of the application in **C#.NET**, using various object-oriented features like classes, **interfaces, inheritance, polymorphism** etc. and Multithreading.
* Developed **Restful** service using **web API** for communicating with the in-rule service.
* Extensive working knowledge in **GIT** version control.
* Perform system enhancements, system maintenance, system testing, system upgrades. Build and maintain system configurations and integrations with third-party systems
* Provide hands-on troubleshooting support to employees in completing transactions. And create and maintain Workday user guides and end-user documentation
* Performed Testing on different functionalities of the application
* Experience of creating rich UI applications in WPF 4.5/4.0, Silverlight 4.0/3.0 along with XAML programming and Expression Blend 4.0/3.0
* Used LINQ to SQL (object relational mapping) for integrating data validation and business logic rules into data model. Developed and Implemented HTML, JavaScript Functions.
* Used Team foundation server (TFS) as source control repository for code version on CI/CD.
* Docker/Kubernetes Containerization of cloud-based applications and maintaining the overall infrastructure.
* Developed Web Services to communicate to other modules using XML based SOAP and WSDL.
* Performed querying to database using LINQ to SQL and querying to XML files using LINQ to XML.
* Performed and resolved cross-browser issues and Unit Testing.

**Environment: .**NET4.5, VS.NET2012, MVC4.0, WCF, SQL Server, Entity Framework, C#, IIS 8, Windows 7, MS Unit Testing Framework, MS Build-SQL, Perforce, Agile (SCRUM), HTML5, CSS3, jQuery, LINQ, .Net Core 2.0, TFS, N-Tier, Web API.

**Client: MSI, Jackson, MS March 2018 – Feb 2022**

**Role: .Net Developer**

**Description:** Mississippi Interactive, LLC is a wholly owned subsidiary of NIC, the largest provider of official web sites, online services and secure payment processing solutions for state and local government entities across the United States. ​​​​​​​​​

**Responsibilities:**

* Worked as Full stack .Net Developer in the team for designing and developing the application using Visual Studio 2015 .Net Framework 4.5, C#, ASP.NET, SQL Server 2012 (MSQL), and LINQ Entity Framework.
* Effectively involved in various stages of development of the project starting from the project planning until production and maintenance using **Agile Methodology**.
* Involved in developing the Azure Solution and Services like PaaS and IaaS.
* Developed the classes using **C#,** which incorporate N-tier architecture.
* Involved in requirement analysis and application designing sessions Designed and implemented the Web Pages of project using **ASP.NET & C#.**
* Responsible for maintaining and expanding AWS (Cloud Services) S3 infrastructure using AWS (SNS, SQS)
* Converted application from Angular 6 to Angular 8, and guided the team in setting it up in their developer environments.
* Implemented Xamarin components to use Camera, GPS and other Social Networking API’s to integrate them to the Mobile Application.
* Created Service Oriented Architecture SOA for both Windows forms and Web forms applications for linking business and resources on demand to achieve the desired results for service consumers.
* Worked on **Visual Studio 2015**/ **.Net CORE 1.0 Framework**to implement Business Logic.
* Worked on pushing the data to elastic search created the instance on (AWS). Retrieving the data and showing up on reporting tool Kibana.
* Created Custom **SharePoint** **2016** Hosted solutions for several apps.
* Created index and Populate data from database to elastic search server.
* Deploying Web Apps and Creating Web-Jobs, Experience in configuring Cloud Platform (Azure SQL, Service Bus and Cloud Services).
* Deployed and running the whole application successfully in Windows Azure cloud platform.
* Implemented the database components in Windows Azure SQL.
* Developed localization API s which stores the translated data in Azure and Sql tables Deploy Confidential services on Azure cloud.
* Involved in designing and development of SOA services using WCF.
* Enhanced existing custom web parts using **C#** .Net and **SharePoint 2016** Object Model for integration.
* Created and developed independent **WEB API** services and defined service contracts for specific functionality in search module.
* Microsoft Azure PaaS Services, Strategy and Planning.
* Configure Azure cloud service for end point deployment.
* Created web API's in MVC 5.2 and used elastic search to query.
* Worked on Queues, Blobs, and Containers to persist data on Azure.
* Created Guard Service in Angular 6 to prevent invalid routing address.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Experience writing and deploying AWS Lambda Functions.
* Handled Front-end components using Angular 6, Bootstrap, HTML5, and CSS.
* Designed the **MS build** system to enable modular functionality through configuration settings.
* Used user interface controls, which use **JQuery** to validate client-side validations.
* Used **JSON** to transmit data between server and Web Application, an alternative to **XML** Serialization.
* Implemented **AJAX** features to reduce full post back, for improving the efficiency and interactivity across **web applications**.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Implement microservices as business component using asp.net core and AWS lambda
* Used LINQ to SQL (object relational mapping) for integrating data validation and business logic rules into data model. Developed and Implemented HTML, JavaScript Functions.
* Docker/Kubernetes Containerization of cloud-based applications and maintaining the
* overall infrastructure.
* Involved in complete application stack in Amazon Web Services (AWS) like EC2, S3 Bucket.
* Developed Web Services to communicate to other modules using XML based SOAP and WSDL.
* Developed elastic search using Elastic.js and JSON data. Query elastic search using Restful service and JSON data.
* Performed querying to database using LINQ to SQL and querying to XML files using LINQ to XML.
* Performed and resolved cross-browser issues and Unit Testing.
* Worked on using**TFS** as version control system.

**Environment**: C#, ASP.NET MVC, Entity framework, XML, State machine Language, TFS, Visual Studio 2015, Azure Web apps, Deployment, CI/CD, Deployment slots, Docker, Kubernetes, .Net Framework 4.6, .NET CORE 3.0, SQL Server 2012, SharePoint 2016, Agile.

### Client; Bank of America, Charlotte, NC Aug 2017 – Feb 2018

**Role: .Net Developer**

**Description:** This project intends to provide special benefits and rewards for preferred customers of both Bank of America and Merrill Lynch customers who have more than 20K account balances. The Benefits and rewards program is applicable for employees and Non Employees as well. There are three types of Customers Gold, Platinum and Platinum Honors. The benefits must be varying based on type of Customer. With this program Customers can opt and enroll in online to avail these benefits.

**Responsibilities:**

* Acted as a **Full stack developer** being involved in the front end, middle tier and back-end development.
* Extensively Worked on User Interface using XAML and Developed User Controls for provide better look and feel. Responsible for testing trigger files in Virtual Machine environment.
* Use Dependency Injection for data binding on XAML pages. Responsible for architecting Azure web apps for scalability.
* Worked on Queues, Blobs, and Containers to persist data on Azure.
* Used Xamarin Insights for finding and debugging issues in the app.
* Used Xamarin test cloud to automate testing.
* Development web service using Windows Communication Foundation and .Net to receive and process XML files and deploy on cloud Service on Microsoft Azure.
* Implemented WCF using SOA to manage the business and data layer.
* Developed Cross-Platform Mobile app using Xamarin Forms with code sharing between all platforms (Android, iOS and Universal Windows apps)
* Front-End Application is developed based on Angular 6 with Typescript, HTML5, CSS3, Bootstrap, Node.js and Visual Studio Code.
* Created Azure Web Application projects, updated and deployed ASP.NET Web apps, Web Jobs using visual studio, GitHub and Azure Resource Manager.
* Developed **ASP.NET Core Web API** based on departmental requirements and specifications.
* Worked with advanced concepts of **ASP.NET Core MVC** such as **Models** and **Providers**, **Filters** used for developing backend technology.
* Designed and implement AWS Lambda and API usingVS .NET 2015, ASP.NET core with AWS SDK kit.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Applied multithreaded techniques for creating high performance applications. Multithreading was used to process data in chunks to improve performance.
* Extensively Worked on Migrating WinForms Application to WPF.
* Worked on Canvas and Drawing Related code.
* Handled multiple tasks, and to prioritize tasks, in a fast-paced environment.
* Implemented extreme programming by using fast paced agile methodology, involving in task completion, user stories, and iterations.
* Used Log Stash / Kibana / Elastic search for data visualization / analysis.
* Experienced in front-end development using Angular 6, back-end using Web API, and Database Design.
* Prepared detail design milestones and schedules, man-hour estimates.
* Developed several SOAP and REST API based internal tools to enhance quality and performance of existing code base and deployed in Cloud Foundry, AWS S3 and Kubernetes.
* Developing windows application using C#.Net, WPF, MVVM, Visual Studio 2013.
* Created the code modification that meets the client's need in the shortest possible timeframe with quality.
* Extensively used WPF Layouts like Grid Panel, Stack Panel, and Dock Panel while designing the Views.
* Extensive working knowledge in GIT version control.
* mplemented WPF in creating custom controls, 3D graphics and SOA Design Patterns.
* Performed Testing on different functionalities of the application
* Involved in Daily Scrum meeting and retrospective meeting actively.
* **Environment:** .NET4.5, VS.NET2012, MVC4.0, WCF, SQL Server, Entity Framework, C#, IIS 8, Windows 7, MS Unit Testing Framework, MS Build, T-SQL, Perforce, Agile (SCRUM), HTML5, CSS3, jQuery, LINQ, ASP.Net Core 3.0, TFS, Nlog, N-Tier, Web API.

**Client: First American, Princeton, NJ Jan 2016 – July 2017**

**Role: .Net Developer**

**Description:** First American is the nation's largest-volume provider of real estate appraisal software and internet-based infrastructure for appraisers and appraisal users. It provides the software services and Internet-based infrastructure for the creation, delivery, management and use of real estate appraisals faster, better and more efficiently. As a part of the project, we developed the application to receive\send the appraisal reports in the specified formats and managed the overall network resources.

**Responsibilities:**

* Involved in Software development life cycle (**SDLC**) of application from design phase to implementation phase, testing, Deployment and maintenance phase.
* Developed solutions in **C#, ASP.NET, MVC 4, ADO.NET**, **JavaScript/ jQuery**, **CSS3, PLSQL**.
* Extensively used **Java script/ jQuery** for UI controls and validations.
* Effective implementation of job/consultant search using Elastic Search
* Developed different User controls which inputs the data and display the data for the web Applications using **C#.NET, ASP.NET 3.5 and WCF.**
* Designed Graphical User Interface **(GUI)** using Master Pages**, HTML5, JavaScript**, and Custom Controls.
* Designed the application as **3-tier** architecture with extensive use of Object-Oriented programming techniques.
* Enable Open ID and Windows Live authentication in Azure cloud apps
* Worked on creating Azure Blob for storing unstructured data in the cloud as blobs.
* Developed system services **SOA** application platform for use by all web applications utilizing WCF services and the **ASP.NET 3.5** provider model.
* Components include RabbitMQ, Redis, Elastic Search and integrations with various internal and external web services.
* Used **WCF** for interoperability with other platforms, technologies and for building the custom solutions.
* Worked with **Web API** to provide services to **HTTP** requests.
* Implemented design patterns and the entire backend of the application in **C#.NET**, using various object-oriented features like classes, **interfaces, inheritance, polymorphism** etc. and Multithreading.
* Developed **Restful** service using **web API** for communicating with the in-rule service.
* Used **WCF** for creating windows and custom win form control using various animation techniques.
* Used **LINQ to SQL** provider to query SQL Server databases as well as **SQL Server** Compact databases.
* Performed unit **testing and integration testing** by applying test cases.
* Performed N-Unit testing and used TFS for source and version control.
* Used **MVC** framework to support the use of **Dependency Injection** to inject objects into a class, instead of relying on the class to create the object itself.
* Used Microsoft Visual Source Safe **(VSS)** for the purpose of source code sharing.
* **Environment:** NET Framework 4.5, WCF web Services, WPF, WCF, C#.NET 3.5, ASP.NET 4.0, MVP, Visualstudio.NET 2012, SQL Server 2012, LINQ, T-SQL, .NET Web services, XSLT, JavaScript, IIS, SOAP, HTTP, XML, HTML, DHTML, CSS, Team foundation Server, MVC, Web API.

**Client: Tech Mahindra, Hyderabad, India Jun 2014– Dec 2015**

**Role: .Net Developer**

**Responsibilities:**

* Involved in requirement analysis and application designing sessions with business analysts and team members to outline the proposed Medical solution.
* Created Reactive forms and performed validations using Angular 6.
* Developed windows services to store Sql Server data in to Cloud base data warehousing by using Microsoft Azure and Amazon Web Services(AWS) Redshift
* Created Res-useable components, Custom Modules, Custom Directives, Pipes, Services in Angular 6.
* Worked intensely on the **user interface** using ASP.NET by migrating from **classical ASP to ASP.Net**.
* Migrated from **.Net 2.0 to 3.0**, and Object-Oriented Methodologies for application development.
* Involved in designing and developing the GUI for the user interface with various controls (**Component Art Grid View, Data List, Textbox, Calendar, List Controls, Dropdown, Validation Controls** etc.).
* Develop Business logic layer by implementing Object Oriented Programming languages (**OOPS**) and concepts like **abstraction**, **encapsulation**, **inheritance**, **polymorphism** in **C#**.
* Used **ADO.NET** for the database access using **SQL Server Data Adapters**.
* Created the database and have written **stored procedures** using **SQL SERVER 2000**.
* Used ASP.NET web form controls such as **Grid View, List View**, etc. for displaying data.
* Performed **unit testing** on some modules.
* Used the **Debugging** and **Tracing** features of **Visual Studio .Net** extensively.
* Documented the code for some of the modules.
* Set up preconfigured RHEL5.x and 6.x on local and in the cloud on AWS EC2.
* Used **Silverlight** to ease UI in implementing desktop application.
* Implemented the ASP.Net **security** features like **Forms Authentication** and **Windows Authentication**.
* Created generic secure and reusable **data access componen**ts using the **ADO.Net** objects such as **Dataset, Data Adapter**, and **Data Reader**.

**Environment:** Microsoft .NET Framework 2.0/3.0, Visual Studio .Net 2003/2005, c#, ASP.NET 2.0, ADO.NET, Silverlight, SQL Server 2000/2005, Web Forms, Web Services, TFS.