**JANANEE RAMAKRISHNAN VENKATACHALAM**

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**Professional Summary:**

* Over **9+ years of experience** in full project life cycle including Project Planning, Analysis, Design, Development Testing, Implementation and Documentation.
* Experience working on **3-Tier, N-Tier Architectures**, **MVC** (Model View Controller) in **Web & Windows applications**
* Familiar with several **design patterns such as Singleton, Facade, Iterator, Dependency Injection**, **Repository, IOC, UnitofWork**, etc.,
* Designed and developed web based using **ASP.NET, C#.NET, MVC, ADO.NET, WPF, LINQ, JQuery, Web API, Angular2/7, Web Services & WCF, ASP, IIS, JavaScript, HTML, CSS, XML, XSL, SQL Server 2005/2008/2012, Oracle10g&11g.**
* Expertise in Microsoft .NET Technologies - **.NET Framework 4.6/4.5/4.0/3.5/2.0/1.1/1.0, C#.NET, ASP.NET, ASP.NET MVC and ADO.NET.**
* Expertise in using ADO.NET objects such as Connection Object, Command Object, Data Reader Object, Data Adapter Object and Data Set Object.
* Experienced in **Agile and Waterfall Model software development methodology.** Played the role of **Scrum Master** in organizing project deliveries and coordination with client.
* In-depth understanding and experience in building Server applications using C#, ASP.NET, ADO.NET, XML Web Services, HTTP modules, **Handlers, Multi-Threading and Delegates** based on .Net Framework 4.5/4.0/3.5/3.0/2.0
* Developed ASP.NET MVC 4.0/5.0 applications and have hands on experience with **Razor** View Engine.
* Experienced in building Data Driven Applications using Microsoft **Entity Framework**.
* Expertise in creating and using **WCF Services**, **WEB API** and Web Services.
* Possess good knowledge and work experience using **LINQ**.
* Experienced in creating reports using **SQL Server Reporting Services (SSRS).**
* Working experience in using **Bootstrap** & JavaScript frameworks like **Angular.**
* Experienced in Server-side Programming, creating and using Stored Procedures.
* Conceptual knowledge of Object Oriented Programming methodologies (**OOPS**).
* Experience in lot of project proposal from start to end documentation **SRS, URS, Functional design** and various design documentations.
* Experience in Integration testing, writing Test cases, Test plans, Bug analysis and fixes.
* Experience using Team Foundation Server 2010 (**TFS**), **SVN, GIT** for Version Control.
* Experience in **ORM LINQ (Entity Framework)**. Experience inVisio documentation tool.
* Having experience of various tools such **as Fiddler** for testing of web services, **TOAD, Rally** etc.
* **Solid 7+ years’ experience in DB design (SQL DDL & DML), procedural programming (stored procedures, triggers), T SQL, PL/SQL Performance Tuning, improvement, storage, index and configuration.**
* Experienced in designing and developing Databases in SQL Server 2005/2008/2012 which includes the **development of functions, stored procedures, views, joins and triggers using T-SQL and PL/SQL**.
* Good knowledge of concepts in Relational Database Management Systems like **ORACLE and SQL Server**.
* Worked on **Query Optimization** to improve the performance of Queries.
* Hands on work experience with **Database driven Approach** which helps work in the front end application very less.
* Used **Execution Plan, SQL Profiler and Database Engine Tuning Advisor** to **optimize** queries and enhance the performance of databases**.**
* Experience with JavaScript libraries like **JQuery, Lodash, Accounting.js, Hash, Bootstrap.**
* Good team player with excellent communication and interpersonal skills, ability to work individually or as part of a team.
* Fast learner and quickly adapt to new technologies that help improve the business.

**Education**

**Master of Technology** (VLSI Design) – **University rank holder**, Sathyabama University, April 2011.

**Bachelor of Engineering** (Electronics & Communication Engg.), Anna University, May 2008.

**Certifications**

Microsoft Certification ID: 9090585 Prometric ID: SR8087649

**Microsoft Certified Professional** - Developing ASP.NET MVC 4 Web Applications

**Microsoft Specialist** - Programming in HTML5 with JavaScript and CSS3

**Technical Skills:**

. NET Technologies NET Framework 4.5/4.0/3.5/3.0/2.0, ASP.NET, VB.NET, C#, WCF, WPF, LINQ, MVC, Entity Framework, Web Services, ADO.NET, ASP.NET Web API

Language C#, SQL, PL/SQL

Web Servers IIS 7.0/6.0/5.0

Web Technologies HTML, XML, CSS, JavaScript, AJAX, jQuery, JSON

Database Technologies SQL Server, Oracle

Testing Moq Framework, Jasmine, Protractor, Karma

Reporting tools SQL Server Reporting Services

IDE Visual Studio/Code, Toad, Postman, Fiddler, Chrome Dev tools, MS Sql Server

Configuration Tools MS Team Foundation Server, SVN, Git

Framework Microsoft .NET Framework 4.51/4.0/3.5/3.0/2.0, AngularJS/2/7

**Professional Experience**

**Employer: IFLOWSOFT Solutions Inc, Iselin, NJ Jul 2018 – Till Date**

**Role: .NET Developer**

**Project:** CONSULT

**Description:** Atkku Consult is a management software which allows to integrate accounting system INTUIT(QuickBooks) to keep track of projects associated with consultants. It is part of Atkku Products and was specifically designed to quick Invoice generation with QuickBooks, easy approval and automatic email notification to Clients. This software is focused on simpler and effective way to submit and track timesheets with automatic reminder for submission and simplified billing with unique billing rates for different users, case types, clients, and activities.

**Responsibilities:**

* Designed the corporate application providing project scope, wire frames, collaborating with IT teams, and business group equaling 100% completion within project time line.
* Involved in the complete Software Development Life Cycle including Analysis, Design, Development, Testing and Maintenance.
* Worked in **3-tier architecture** for presentation layer, the Business and Data Access Layers and were coded using C# implemented SOLID principles.
* Worked in **Agile mode**, plan and deliver for two-week sprint and participate in all scrum ceremonies.
* Responsible for design and development of Web User Interface using **Bootstrap, Angular 7, JavaScript** and Middle tier layer business objects (**ASP.NET WebAPI**) using **C#.Net**.
* Used **ASP.NET MVC Data annotations**to enforce data validation.
* Handled ASP.NET features such as **Exception Handling**, and Custom Error Messages.
* Developed complex **MVC Controllers, View Models and Helper methods** linked to backend database.
* Implemented **REST** - the standard **HTTP** request and response mechanism, simplifying implementation and providing for a looser coupling of the client and server.
* Used Fiddler for web debugging and inspecting and composing API's request and response data.
* Generated Entity models using **Entity Framework 6** for database interaction with Repository.
* Experience in using **LINQ** query to retrieve data from different data sources like objects, XML and SQL.
* Wrote business logic to handle transactions from and to database using ADO.NET objects such as **Data Sets and Data Readers**.
* Worked on **creating tables, views, triggers, constraints, Stored Procedures, Functions, and Packages using T-SQL**, based on the documented user requirements.
* Wrote Queries and Stored Procedures for integrating database for CRUD operations with databases.
* Used Angular for client side data bindings to build dynamic views of data.
* Involved in Troubleshooting and resolved application issues escalated from end users.
* Has worked on unit testing and end-end testing.
* Used **log4net** logging component.
* Used **GIT** for **Source Code Control**, project related document sharing and team collaboration.

**Environment: Visual Studio 2017, .NET Framework 4.5, ASP.Net MVC 5.0, C#, OOPS, ADO.NET, ORM LINQ, WebAPI , HTML5, CSS3, JavaScript, Typescript, Angular 7, AJAX, JSON, Entity Framework 6, Microsoft SQL Server 2012, T-SQL, GIT, IIS7, log4net,Protractor, Jasmine, Karma and windows 10**

**Employer: INFOSYS Technologies Nov 2010 – Jun 2017**

**Client: Bank of America July 2016 – Jun 2017**

**Role: Senior .NET Developer**

**Designation:** **Technology Lead**

**Project:** Breach and Compliance Reporting System

**Description:** The project is to generate letter to be sent out to the customers of the bank who has backlogs in payments of mortgage loans and other breach activities. Worked on various phases of Software Development Cycle. BCRS is a **Web based application** for **banking** **domain** and it is user-friendly solution for the Managers to keep track of all the users in compliance.

**Responsibilities:**

* Providing a complete website solution, from design and development through to hosting in **Microsoft DevOps.**
* **Maintain Project backlog, Storyboarding and automate application to deployment.**
* Held a **Full Stack Developer role** in the Agile Scrum development project. This role includes a wide array of responsibilities from requirement analysis, solution conceptualization, development, deployment and build management.
* Extensive knowledge of **CSS (bootstrap)** and **JS methods** for providing performance.
* Improved **application scalability** using by converting DLL to building the **RESTful API**.
* Provide technology direction by evaluating, demoing and selecting new JavaScript technologies (**lodash, accounting.js, hashing**) and development patterns to be leveraged across the team
* Leverage modern JavaScript frameworks such as **Angular and Node** to **build** world class user interfaces for web applications and used **TFS for versioning.**
* **Created TDD on ASP.NET Web API, ASP.NET MVC (Moq)**
* **Identify and correct problems uncovered by user testing or customer feedback.**
* Using **ASP.Net MVC 5** for front-end websites with **MVC Controllers**, Angular for the Project.

**ASP.NET Web front end:**

* Developed the Data Layer Class using C#, which is reusable for the data transactions of the entire project.
* Developed the application using ASP.NET concepts like Master Pages, Handlers, Sessions, Post backs,Multi-Threading and Delegates etc. using C#.
* **Used AngularJS for client side** one way and two way data bindings to build dynamic views of data.
* **Created and Used AngularJS custom directive and service.**
* Developed Responsive UI layer utilizing semantic **CSHTML, AngularJS, REST API architecture** while adhering to the latest web UI standards, design patterns and best practices.
* Used JavaScript concepts to create different Client-Side functions that greatly decreased the processing time and resource consumption.
* Created and consumed WCF Services.
* Developed Single Page Application (SPA) apps using **AngularJS** andBootstrap**.**
* Testing and reproducing the issue to determine if there is a defect.
* Used ASP.NET MVC **Data annotations** to enforce data validation.

**Environment:** **Visual Studio 2013 IDE, C#, ASP.NET, MVC 5, AngularJS 1.3, ADO.NET, XML, IIS, JavaScript, Jquery, TFS, SQL Server 2012, .NET Framework 4.5, WebForms.**

**Client: Royal Bank of Scotland Oct 2015 – Jun 2016**

**Role: Senior C# Developer**

**Designation:** **Sr. net developer**

**Project: MyMI**

**Description:** An intranet application which provides Managers within Branch, Private, Direct Bank, Specialist Banking and Head Office locations with management information on sales, sales and resource planning.

**Responsibilities:**

* Involved in front end development using Asp.Net, MVC5, JavaScript, HTML, and CSS, Angular JS, Bootstrap, JSON and Ajax.
* Used CutewebUI.MVCUploader to upload the files.
* Developed the Data Layer Class using C#, which is reusable for the data transactions of the entire project.
* Developed Business Logic, reusable components, Windows services.
* Developed classes using C# for Tracing, Error Logging.
* Used JavaScript concepts to create different Client-Side functions that greatly decreased the processing time and resource consumption.
* Used WPF built-in set of data controls to bind and manipulate data within applications.
* Worked with LINQ to XML, LINQ to Collections, Object etc.
* Worked on Grid Controls and Sever Controls to meet the client requirements.
* Used SVN for version controlling.
* Using **Entity Framework 6** for database interaction with Repository.
* Identify problems uncovered by testing and customer feedback, and correct problems or refer problems to appropriate personnel for correction.
* Maintenance and continuous integration.
* Classic ASP new development and legacy application support.
* Implemented .net SFTP service to connect using WCF services to DRM
* Involved in low level design preparation, problem analysis and Knowledge Management (prepare, Tracking, Customer interfacing)
* Provide management for continuous integration build process based off MLTP-process for MS.NET desktop and web applications
* Used **dependency injection** to Decouple all the context-work from Repository, and let the DI container handle disposal of resources
* Used compiled queries to improve performance of your LINQ queries when retrieving data exposed by the EDM.
* Some performance improvements applied are Avoid pulling all the database objects in one entity data model. Retrieve only the number of records that are needed and avoid using "Contains" when using LINQ to Entities.
* Used paging to retrieve only the data that is requested for or restrict the amount of data that is retrieved from the database. Also, added indexes to entities by making a call to the CreateIndex() method.
* Removed Lazy loading of few of the data objects so web front end can fetch data faster.
* Implemented Exception handling mainly on the insert where user insert data on primary key where identity is not set and when Identity is set removed the CUD operations.

**Environment:** **Visual Studio 2013 IDE, C#, ASP.NET, ADO.NET, XML, IIS, JavaScript, JQuery, SVN, .NET Framework 4.5, MVC5. ORACLE 10g, NETEZZA, Business Object 6.5, UNIX, ASP.NET 3.5, Microsoft Visual Studio 2010, Jquery, IIS 6.0**

**Client: Royal Bank of Scotland Mar 2015 – Sep 2015**

**Role: Web UI .NET Developer**

**Designation:** **Technology Analyst**

**Project:** HERMES Pricing Tool

**Description:** This is a pricing tool used by Relationship Managers to create deals for the customers and to resolve the discrepancies in fixing the price of the products and also to track the deals.

**Responsibilities:**

* Involved in different phases of the Software Development Life Cycle (SDLC) including Designing, Programming, Testing and Documentation.
* Involved in front end development using Asp.Net, JavaScript, HTML, and CSS, Jquery, JSON and Ajax.
* Used Google API call to update longitude, latitude and timezone values,
* Developed the Data Layer Class using C#, which is reusable for the data transactions of the entire project.
* Developed the application using ASP.NET concepts like Master Pages,Handlers, Sessions, and Postbacks etc. using C#.
* Developed Business Logic, reusable components, Windows services using VB.NET.
* Developed classes using C# for Tracing, Error Logging.
* Used JavaScript concepts to create different Client-Side functions that greatly decreased the processing time and resource consumption.
* Worked with LINQ to XML, LINQ to Collections, Object etc.
* Developed webpages using ASP.NET and used AJAX for reports.
* Created and consumed WCF Services.
* Worked on Grid Controls and Sever Controls to meet the client requirements.
* Used XSLT for generating Lists, by collecting the data from XML documents and formatting them using XSL.

**Environment:** **Visual Studio 2012 IDE, C#, ASP.NET, ADO.NET, XML, IIS, VB.NET, JavaScript, Jquery, Microsoft Visual source safe System, SQL Server 2008, .NET Framework 4.0, ADO.NET, WebForms, WCF, MVC 4**

**Client: Bank of America Mar 2013 – Feb 2015**

**Role: .NET Developer**

**Designation:** **Technology Analyst**

**Project: Portfolio Reporting System**

**Description:** The project is to generate report on current investment and wealth forecast of High Net Worth as well as Individual Clients. Worked on various phases of Software Development Cycle and was also part of the team to create Services for mobile version of the application.

**Responsibilities:**

* Involved in different phases of the Software Development Life Cycle (SDLC) including Designing, Programming, Testing and Documentation.
* Involved in front end development using MVC4.0,JavaScript, HTML, and CSS, Bootstrap, Angular JS, JQuery, JSON and Ajax.
* Developed the Data Layer Class using C#, which is reusable for the data transactions of the entire project.
* Developed the application using ASP.NET concepts like Master Pages, Sessions, and Postbacks etc. using C#.
* Developed Business Logic, reusable components, Windows services using VB.NET.
* Developed classes using VB.NET for Tracing, Error Logging.
* Used Microsoft Entity Framework for modeling the application.
* Developed complex LINQ to Entities queries for accessing the Entity Framework Model.
* Used JavaScript closures & JavaScript libraries to create different Client-Side functions that greatly decreased the processing time and resource consumption.
* Worked with LINQ to SQL, LINQ to XML, LINQ to Collections, Object etc.
* Used WCF to build high performance and secured document retrieval layer to retrieve data from a SQL server based system.
* Worked extensively on IIS 7.0 for effective utilization of WCF Services.
* Worked on Grid Controls and Sever Controls to meet the client requirements.
* Designed and developed various reports using Crystal Reports and enabled the option of exporting to Excel and .PDF files. The reports provide the option of entering the parameter values from the form.

**Environment:** **Visual Studio 2010/2012 IDE, C#, ASP.NET, ADO.NET, XML, IIS, VB.NET,Crystal Reports, JavaScript, JQuery, Multithreading, WCF, WPF, Microsoft Visual Team System, Oracle 11g, .NET Framework 4.0, ADO.NET, WebForms, Web Services, MVC 4.0.**

**Client: American Express Apr 2011 – Feb 2013**

**Role: .NET Developer**

**Designation:** **Technology Analyst**

**Project:** Serve – P2P

**Description:** The Service allows you to establish an Account to facilitate payment transactions using electronic payment networks and certain other electronic methods. Individuals may also receive a Card which may be used to conduct certain transactions through the Service after the Card is activated. Where a Sub-Account has been opened, certain transactions may also be conducted through the Sub-Account or a Sub-Account Card and where a Reserve has been opened, certain transactions may also be conducted by the Accountholder using a Reserve.

**Responsibilities:**

* Involved in Requirements gathering, Functional and Technical specifications.
* Worked closely with Business Teams and Technical Design Architects to understand the flow, and also worked on client enhancements for existing applications with the QA Team.
* Used Object Oriented Programming (OOPS) concepts for developing the project.
* Developed Business Logic and reusable components using C#, VB.
* Used different concepts in JavaScript like inheritance, closures, etc..
* Used WCF for developing and deploying services on Windows, in line with the Service Oriented Architecture (SOA).
* Developed ASP.NET MVC 4 Applications in Test Driven Development (TDD) environment using Microsoft Unit Testing Framework.
* Implemented Data Access Layer using ADO.NET to communicate with SQL Server 2008.
* Used SSRS to generate reports and integrated using report viewer.
* Involved in creating tables and writing Stored Procedures as required by the solution.
* Involved in code management activities using TFS.
* Developed n-tier objects such as Business, Data Access, and Application layers.

**Environment: .NET Framework 3.5/4.0, TFS, LINQ, ADO.NET, VB.NET, Web Services, WCF, MVC, XML, WinForms, WebForms, SOA, CSS, JavaScript, SQL Server 2008, and T-SQL, NETEZZA, UNIX**

**Employer: JEPPIAAR Technologies Aug 2008 – Nov 2010**

**Client: Vizteck**

**Designation: Software engineer**

**Role: Sr. Developer**

**Project:** RIS

**Description:** Radiology Information System (RIS) is a web application and helps to streamline Radiology department operations and increases both physician and patient satisfaction. RIS improves patient throughput via enhanced workflow. RIS supports faster scheduling and easy retrieval of exam information. Project can be subdivided into Phase I and Phase II, Phase I consists of Appointment Module, Patient Module, Settings module. Appointment Module contains fixing, Rescheduling resizing of Appointments, Settings Module contains information to be used in patient module and Appointment Module. Patient Module contains details of Patients, their Study, Insurance and their Documents

**Responsibilities:**

* Created classes using ASP.NET, that incorporates both N-tier architecture and database connectivity.
* Involved in the design & development of Web Pages/Reports using ASP.NET and JavaScript.
* Created Database Objects like Stored Procedures for accessing the data in the Database.
* Deployed the Reports on the Report Server and accessed those Reports through Web Services.
* Developed and used various User Controls and Custom Controls.
* Involved in gathering user requirements, reviewing processes and attending client meetings.
* Developed reusable .NET components to perform business processes and interacted with the database using ADO.NET.
* Used features like Custom Paging and Sorting in Data Grids.
* Used Entity framework as ORM tool to map classes with tables to enable working with rows as objects.
* Involved in creating User Interfaces with the Windows Forms Designer, and developed Business Logic and Data Access Components in C#.
* Composed Cascading Style Sheets for an appealing look and feel.
* Designed and developed the GUI, Business Logic Layer and Data Access Layer.
* Used ADO.NET Connection, Command, Datasets, Data Adapter, Data Reader and XML to retrieve and store the data in SQL Server.
* Performed validation using validation controls in ASP.NET.
* Created Stored Procedures and triggers for automated operations.
* Used Visual Studio.NET debugger and trace functionality to debug the application.
* Involved in reporting using Crystal Reports.

**Environment: C#.NET, SSRS, ASP.NET, ADO.NET, AJAX, VB.NET, Oracle, HTML, JavaScript, and Microsoft Visual Studio .NET 2010, SQL Server 2008**

**Client: Element10, UK**

**Designation: Software Engineer**

**Role: UI Developer**

**Project:** Administration Control System

**Description:**  The aim of the project was to automate all the operations of the organization. Main modules are HR, commercial management, and Student Management. HR Management is used to collect the details about the people applying for courses in Colleges in UK via Element10. Student Information is processed and the Short listed candidates will be approved/rejected for the Colleges, the information of the students will be automatically mailed to the University for the Approval directly from the application. For selected candidates Id card will be generated automatically and details about Cost to the Company can also be generated.

**Responsibilities**:

* Supported in requirements gathering from the end users who work at Finance department
* Updated design documents according to the changes made to the application
* Involved in Application Design, Code development for the Web based application
* Designed forms using Master Page in asp.net
* Involved in creating UI Components with all necessary validations and styles
* Created SQL Stored Procedures and integrated with application
* Developed WCF (Window Communication Foundation) Services.
* Generated reports using Crystal reports using wide range of data.
* Used Web Services for Credit Card Verification for Bill Pay system
* Extensively used LINQ to Objects to query the objects based on requirement.
* user access control to restrict users based on user roles.
* Involved in Unit Testing for the application developed using test cases.

**Environment:** **C#.NET, SSRS, ASP.NET, ADO.NET, AJAX, SQL Server 2005, HTML, JavaScript, and Microsoft Visual Studio .NET 2005**

**Client: Jeppiaar Steels**

**Designation: Software Engineer**

**Role: Developer**

**Project:** Supply Chain Management; ERP Solutions

**Description:** Provides a complete solution for the Steel company by satisfying the core activities - HR & Payroll, Production, Purchasing, Sales & Marketing, Maintenance, Administration and Finance (Invoice).

**Responsibilities:**

* Designed and developed the GUI, Business Logic Layer and Data Access Layer.
* Used ADO.NET Connection, Command, Datasets, Data Adapter, Data Reader and XML to retrieve and store the data in SQL Server.
* Performed validation using validation controls in ASP.NET.
* Created Stored Procedures and triggers for automated operations
* Developed reports in Crystal Report formats using Crystal Reports Designer.
* Designed ASP.NET web forms to pull up records based on search criteria
* All the processes are documented for future reference.

**Environment:** **.NET Framework, ADO.NET, SQL Server, Web services, JavaScript, HTML, and DHTML, VB6, ASP.**