**Shiva Kumar**

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(919)744-9891

**Sr.Net Developer**

**PROFESSIONAL SUMMARY:**

* **7+ Years** of experience in Software Development Life Cycle (**SDLC**)involving Requirement Gathering, Analysis, Logical &Physical Architectural Modeling, Design, Development, Testing, Implementation and Production Support.
* Advanced experience in developing **Web** and **Client/Server Applications** based on **Microsoft .NET Technologies** and expertise in implementing **N-Tier Architecture.**
* Expert in designing and developing web and windows based applications using **MVC**, **C#, ASP.NET, ADO.NET, Entity Framework, Enterprise Library, LINQ, SOAP, Web Services, AJAX Control Tool Kit, IIS, XM**and **XSLT.**
* Experience in designing web pages with **HTML, JavaScript, CSS, HTML 5, CSS3** and **JQuery** in a **hand-coded** environment.
* Sound knowledge on **Object Oriented Programming** (**OOPS**) Concepts including Inheritance, Abstraction and Polymorphism.
* Extensive front end and backend development experience working with **.Net Framework 4.5/4.0/3.5/3.0/2.0, Visual Studio.NET 2012/2010/2008/2005.**
  + Experience in working with **Windows Communication Foundation** (**WCF).NET Web Services** using **WSDL, SOAP** and **UDDI** in **.Net Framework 4.0/3.5.**
  + Experience in working with Language Integrated Query (**LINQ**) especially **LINQ to object** and **LINQ to SQL**.
* Good experience in **Exception Handling, Debugging and tracing** by which the whole picture of application runtime behavior can be seen and analyzed more efficiently**.**
* Implemented applications using **Model View Controller** (MVC) design pattern.
* Worked with **Console** applications, **Windows** applications, **ASP.NET Web Forms, ASP.NET State Management, ASP.NET Caching, Securing ASP.NET Web Applications.**
* Expertise in working with Graphical User Interface (**GUI**) web development using technologies like **Master Pages, AJAX Controls, JQuery, CSS, Themes** and **Skins**.
  + Experience in working with **Windows Communication Foundation** (**WCF).NET Web Services** using **WSDL, SOAP** and **UDDI** in **.Net Framework 4.0/3.5.**
  + Experience in working with Language Integrated Query (**LINQ**) especially **LINQ to object** and **LINQ to SQL**.
  + Experience with UML diagrams like **Class diagrams**, **Sequence diagrams**, **Use Case diagrams** using **Microsoft Visio**

**EDUCATION**:

* **Bachelor of Technology, Electrical & Electronics Engineering from JNTU University, Hyderabad, India.**

**SKILL SET:**

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| --- | --- |
| Web | .NET Framework 4.5/4.0/3.5/3.0/2.0, ASP.NET 4.5/4.0/3.5/3.0/2.0, MVC 3.0/4.0, WCF, Web Services, WWF, DTS Packages, DBMS, AJAX, CSS, JAVASCRIPT, JQUERY, HTML 5, AngularJS, HTML, JSON, ASP.NET WebAPI/LINQ |
| Front-End | Visual Studio 2012/2010/2008/2005, VSEDIT |
| Back-End | SQL SERVER 2012/2008/2005,Oracle, Entity Framework, ADO.NET |
| Languages | C# 5.0/4.0/3.0/2.0, T-SQL, HTML, LINQ, C |
| Protocols | SOAP, SSL, FTP, TCP/IP, HTTP |
| Service Oriented Architecture (SOA) | Windows Communication Foundation (WCF), .NET Web Services, WSDL, SOAP, UDDI |
| Reporting Services | SSRS, Crystal reports |
| XML Technologies | XML, XAML, XSL, XSD, XSLT, XPATH, XLINK, XQUERY |
| Application Servers | Internet Information Services (IIS) 7.0/6.0/5.0 |
| Operating Systems | WINDOWS 7/XP/SERVER 2008/2003 |
| Others | N-unit Testing Framework, MS Visio, IBM Rational Rose, SSIS (SQL Server Integration Services), SDK, MVVM,Visual Source Safe, Rational Requisite Pro, MS Project, Excel, UML, CMMI Level 5 Standards |

**PROFESSIONAL EXPERIENCES**:

**Client Name : The New York City of Human Resources and Administration, NY July 15 – till date**

**Role : Sr.Net Developer**

**Project Name : TEAMS**

**Description :** The scope of the project is to develop Web application which will be used by The New York City Human Resources Administration (HRA). Using this web application New Yorkers can utilize various services offered by The New York City of Human Resources Administration like Food assistance etc.

**Responsibilities:**

* Involved in the **SDLC** of requirement analysis, design and development of the web based application.
* Used **Data annotations** to validate the service side input validation.
* Responsible for front end design and scripting using java script, jQuery and Angular JS framework.
* Responsible for upgrade process of the web site to the latest version of Angular JS framework.
* Used **Angular JS** framework for implementing the data binding of the employee list and projects list screens in Internal HR Application.
* Implemented abstract, sealed classes, interfaces and classes to construct the business and data tier using **C#** and **Entity Framework**.
* Developed web application code in Asp.net MVC application.
* Designed User Interface using **Web Forms, Win forms, DHTML, XSLT, XML, JavaScript, AJAX, CSS, ASP.NET, Server Controls and Visual Studio.Net.**
* Implemented **Object Oriented Methodologies** for application development.
* Introduced and implemented Agile Methodologies such as Scrum, Extreme Programming (XP) and Test Driven Development (TDD).
* Implemented **WCF Web Services** for publishing and consuming data successfully
* Worked on several ASP.NET server controls like **Calendar, Grid View control, Repeater Control** handled server side events to optimize performance.
* Using Entity Framework to Perform CRUD operations, building and Writing Generic BO Class.
* Used **Master Pages** for branding purposes by displaying the logo and copy right information on every page and maintaining the same look and feel across the entire application.
* Fixed the issues occurred during testing process.
* Involved in designing, updating the application as required.
* Deployed the application on test and production servers.
* Performed **unit testing** and functional testing.
* Used **Version Manager** for source control, data collection, reporting and project tracking.
* Used **Team Foundation Server** for source control, data collection, reporting and project tracking.

**Environment:** ASP.NET# 4.5, C#, Visual Studio 2008/2012, .NET Framework 4.5, SQL Server 2012, ADO.NET,MVC 4 AJAX, TFS, HTML, LINQ to Objects , SSIS, SSRS, CSS.

**Client Name : UPS (United Parcel Service), MD Feb 2014 – June 2015**

**Role : Sr.Net Developer**

**Project Name : Central Data Database (CDD), ORION Configuration Website (OCW)**

**Description :**The scope of the project is to develop Central CDD Database (CDD) web service which manages the Sure Post/Basic Operational Data. The Central CDD validates USPS DDU addresses against AMS addresses database to ensure accuracy then stores USPS DDU addresses along with operational data to the Central CDD database (DDU Data). It also allows users to create and update its database. Any update to the DDU Data is then made available to the Local CDD.

**Responsibilities:**

* Involved in the **SDLC** of requirement analysis, design and development of the web based application.
* Used **Data annotations** to validate the service side input validation.
* Implemented abstract, sealed classes, interfaces and classes to construct the business and data tier using **C#** and **Entity Framework**.
* Developed webapplication code in Asp.net MVC application.
* Designed User Interface using **Web Forms, Win forms, DHTML, XSLT, XML, JavaScript, AJAX, CSS, ASP.NET, Server Controls and Visual Studio.Net.**
* Implemented **Object Oriented Methodologies** for application development.
* Introduced and implemented Agile Methodologies such as Scrum, Extreme Programming (XP) and Test Driven Development (TDD).
* Implemented **WCFWeb Services** for publishing and consuming data successfully
* Worked on several ASP.NET server controls like **Calendar, Grid View control, Repeater Control** handled server side events to optimize performance.
* Using Entity Framework to Perform CRUD operations, building and Writing Generic BO Class.
* Used **Master Pages** for branding purposes by displaying the logo and copy right information on every page and maintaining the same look and feel across the entire application.
* Fixed the issues occurred during testing process.
* Developed code documents and user documents.
* Involved in designing, updating the application as required.
* Deployed the application on test and production servers.
* Performed **unit testing** and functional testing.
* Used **Version Manager** for source control, data collection, reporting and project tracking.
* Used **Team Foundation Server** for source control, data collection, reporting and project tracking.

**Environment:**WCF, Visual Studio 2010/2012,.NET Framework 4.0, XSLT, C#.NET, Version Manager, TFS, LINQ to Objects, Data Entity Model, MVC 4,Jenkins, CRUD, Restful Services, SOA, TDD, Developer Express Tools, JavaScript, SSIS, SSRS, AngularJS, WebAPI**,** VSS, IIS 6.0, CSS, HTML, XML, Visio.

**Client Name : Geico, Chevy chase, MD Aug 2013 – Jan 2014**

**Role : Sr.Net Developer**

**Project Name : Enterprise Customer Account Management System (ECAMS)**

**Description:**ECAMS project is to provide a Single-Sign-On (SSO) system to establish a customer-centric approach for the Geico customers, to sign on once, and move through different or policies without requesting user credentials again, save for possible privilege escalations when required. A single customer account can access more than one policy at a time, and, as the customer acquires more policies, then link them. Allow customers to seamlessly move from one application to another, e.g. from Claims to In Site and vice-versa.

**Responsibilities:**

* Involved in the **SDLC** of requirement analysis, design and development of the web based application.
* Developed code in Model, Controller, View for building the Asp.net MVC application.
* Designed and Developed services for **Account Update** and sending an email to the user after successfully updating.
* Also developed a **Verify token** service which will validate the session token and fetches the attribute upon request.
* Used **Data annotations** to validate the service side input validation.
* Introduced and implemented Agile Methodologies such as Scrum, Extreme Programming (XP) and Test Driven Development (TDD).
* Developed search and advanced search components using **Entity Framework** to retrieve the search results from backend database (**Asynchronous call**) with **AJAX** features with **partial page updates.**
* Used **Fiddler** and **Postman** to execute the rest client calls.
* Implemented **.Net framework 4.5 and Object Oriented Methodologies** for application development.
* Worked on **ASP.NET client side state** management (view state, cookies and query strings) and **server side state management** (application state, session state and profile properties) using C#.
* Developed custom processes for clients based on their specific requirements utilizing SQL Server, SSIS, and CRUD stored procedures.
* Written **SQL Scripts,** for **creating database tables** with foreign key relations in **SQL Server 2008/2012** using **T-SQL.**
* Designed and developed several SQL Server **Stored Procedures**,**User defined Functions, Triggers and Views** for all the DML functionality of the application.
* Used **Team Foundation Server** for source control, data collection, reporting and project tracking.
* Performed **unit testing** and functional testing.Fixed the issues occurred during testing process.
* Involved in support and maintenance.Developed code documents and user documents.

**Environment:**C#.NET, TFS, LINQ to Objects, Data Entity Model, TDD, WebAPI, MVC 4,SSRS, SSIS, AngularJS, CRUD, Restful Services,WCF, Visual Studio 2010/2012,.NET Framework 4.0 & 4.5, Developer Express Tools, SOA, JavaScript, SDK, VSS, IIS 6.0, CSS, HTML, XML, Visio.

**Client Name : Virtustream.Inc, (SAP HANA Virtualization) Atlanta, GA Jan 2013 – July 2013**

**Role : .Net Developer**

**Project Name : SAP HANA Virtualization**

**Description: Virtustream.Inc** is the leading Enterprise Class Cloud solution provider offers Private, Public and Hybrid/Virtual clouds using Virtustream Cloud Computing platform. It’s an integrated solution that enables Cloud Service Providers and Enterprise IT Organizations to deliver Enterprise Class application services to their customers.

**Responsibilities:**

* Involved in requirement analysis and application designing sessions with business analysts and team members to outline the proposed IT solution.
* Involved in development of business logic which includes Code-behind files, User controls and Classes in the middle tier using **C#.Net.**
* Extensive experience of Rational Unified Process (RUP), UML, XML, HTML, SQL and Stored Procedures.
* Introduced and implemented Agile Methodologies such as Scrum, Extreme Programming (XP) and Test Driven Development (TDD).
* Designed and Developed an Interactive Graphical User Interface for various modules using **Win Forms**, Windows service, desktop applications inheritable Win Forms and User Controls.
* Created **DTS Packages** using MS SQL. Implemented **DBMS** concepts in this project.
* Implemented abstract, sealed classes, interfaces and classes to construct the business and data tier using **C#** and **Entity Framework**.
* Using Entity Framework to Perform CRUD operations, building and Writing Generic BO Class.
* Developed classes for consuming **web services** by using XML Web Services.
* Used **Web Services (SOAP, WSDL)** for communicating with other application and components.
* Used JQuery Library for Client side validations and Ajax calls.
* Worked on WCF Web Services using **C#** to authenticate lookup and retrieve the data from database. Consumed by Windows forms and COM+ components.
* Used **REST** methodology using **HTTP Handlers** in developing Web Service replication interface for setting up data feeds for content transportation in **XML** and **JSON** formats.
* Extensively used basichttp, nettcp, wshttp bindings for different endpoints in WCF services.
* Utilized the **AJAX control toolkit** 2.0 tools like **Calendar, Dropdown, Animation controls** for implementing **AJAX** partial page updates and extensively used **AJAX extenders** with UI control elements for new Cloud frame API.

**Environment:-**MVC 4, DTS Packages, DBMS, SDK, LINQ to Objects, RabbitMq,WCF, Visual Studio 2010/2012, .NET Framework 4.0 & 4.5, C#.NET, ASP.NET, Service-Stack, Restful Services, CSS, WebAPI, SSIS, SSRS,CRUD, TDD, ASP.NET Ajax, SOA, MongoDB, Data Entity Model.

**Client Name : KPMG, Wood Cliff Lake, NJ Jun 2011 – Dec 2012**

**Role : .Net Developer**

**Project Name : Client Engagement Management System**

**Description :** KPMG is a global network of professional firms providing Audit, Advisory and Tax services. The scope of the project is to develop a web application used by KPMG engagement team to gather all the required details and activities of the client based on the service to be provided. Developed applications to load data and generate reports for business improvement purpose, business analysis and performance analysis which results to customer satisfaction and providing information to customers in flexible and easy way.

**Responsibilities:**

* + Involved in the **SDLC** of requirement analysis, design and development of the web based application in the fast paced **agile methodology.**
  + Designed and developed web pages using **ASP.NET, C#.NET**, **JSON**, **HTML5** and **JQuery**.
  + Developed the application with n-tier architecture using Class libraries, **Data entities, Services, Data access layer, business logic layer and stored procedures.**
  + Experience in designing and developing enterprise applications using **MVC** (Model View Controller)
  + Introduced and implemented Agile Methodologies such as Scrum, Extreme Programming (XP) and Test Driven Development (TDD).
  + Extensive experience of Rational Unified Process (RUP), UML, XML, HTML, SQL and Stored Procedures.
  + Used **Master Pages** for branding purposes by displaying the logo and copy right information on every page and maintaining the same look and feel across the entire application.
  + **Implemented Multi-threading** concepts in different parts of the application.
  + Effectively handled **ASP.NETclient / server side state management** features such as **view state, hidden fields, cookies and query strings,application state and session state.**
  + Extensively used **Grid view** and **Details view** to display information based on search criteria along with **Sorting**. Worked extensively on Grid view **custom templates** for providing additional flexibility. Implemented all **data manipulations** like Update, Insert and Delete on Grid view.
  + Developed search and advanced search components using **Entity Framework** to retrieve the search results from backend database (**Asynchronous call**) with **AJAX** features with **partial page updates.**
  + Used JavaScript to perform validations and catch the events on client’s browser.
  + Designed, modeled and architected multi-threaded, enterprise n-tier software agent using **Windows Communication Foundation** (**WCF**) web service hosted in **IIS.**
  + Developed the business layer with **LINQ to Objects** and **LINQ to SQL**.
  + Created SQL scripts in **SQL Server** 2008, and implemented complex logic **SQL** queries and **stored procedures.**

**Environment:**.NET Framework 4.0, Multithreading/Multiprocessing, Visual Studio 2008, ASP.NET 4.0, C#, DTS Packages, DBMS, SSIS, SSRS, MVC 3,Application Blocks, WebAPI**,** CSS, AJAX, JQuery, TDD, JSON, XML, XSLT, JavaScript, SQL Server 2008, LINQ, SDK, WPF, SOA, T-SQL, TFS, IIS.

**Client Name : Philips, Atlanta, GA Oct 2009 – Mar 2011**

**Role : .Net Developer**

**Project Name : Secure Electronic Data Transfer Application**

**Description :** The Philips Customer Care technical and clinical applications associates support the entire Philips portfolio including: CT, MRI, Nuclear Medicine, PET, Interventional X-ray, Ultrasound, Clinical Informatics, PACS, Patient Monitoring, and Cardiac Care. The scope of the project is to allow their worldwide clients to securely transfer patient data files from their location to the doctors or medical providers.

**Responsibilities:**

* + Worked with the Architect to drive out requirements of the project and design the application.
  + Involved in requirement gathering, database design and N-Tier Application development, User Interface, Business Layer, Rules Engine, Data Layer, Reports, **and XML** Wrappers to manage and pass **XML** across modules, Web Services, Workflow Development, system integration and Build process.
  + Involved in using **MVC pattern** for the UI development.
  + **Agile** methodology was used for faster and iterative software development.
* Implementation of Test driven development (TDD) approach to ensure quality and minimal bug/defects inherited software solutions
* Coding the presentation layer using **WPF** and service layer using Windows Communication foundation technology.
* Designed the database, wrote stored procedures, functions, views and triggers in **SQL Server 2008**.
* Extensively used **XML** for data passing between modules and applications.
* Designed and developed dynamic ASPX web pages using C#, ASP.Net, XML, HTML, JavaScript and JQuery.
* Designed user interface web forms using ASP.NET 3.5 / JQuery and implemented business logic using C#.
* Implemented abstract, sealed classes, interfaces and classes to construct the business and data tier using C# and Entity Framework.
  + Designed and developed various **abstract classes, interfaces, classes** to construct the business and data tier using **C#, ADO.NET.**
  + Written **SQL Scripts, Stored Procedures, and Triggers, Defining roles, creating database users** and **Assigning Roles** in **SQL Server 2008** using **T-SQL.**
  + Used **Team Foundation Server** (**TFS**) for all the source code maintenance needs.
  + Used **N - unit to** implement Unit, Integration and Regression Testing.

**Environment:**MVC, XML, CSS, XSLT, SSIS, SSRS, JavaScript, SQL Server 2008, .NET Framework 3.5, Visual Studio 2008, WCF, ASP.NET 3.5, C#, TDD, DTS Packages, DBMS, Web Services, AJAX, JQuery, WebAPI**,** WPF, LINQ, T-SQL, TFS, IIS.

**Client Name : iGATE Computer Systems Ltd. –Bangalore, India Mar 2007 - Aug 2009**

**Role : .Net Developer**

**Project Name : Online Transaction Processing System**

**Description :** iGATE is a leading software development company in India. The company is specialized in handling highly complex projects for Fortune 1000 companies which has global presence and delivers tailored solutions to the clients. The scope of this project is to implement an online transaction processing system to handle the supplier requests/orders for drugs from a major pharmaceutical company and generate reports on demand.

**Responsibilities:**

* Participated in requirement gathering sessions with the client and preparation/modifying of the requirements in Requirement Specification document using **UML**
* **Implemented OO Design and Concepts**& data modeling to analyze and define data requirements need to support business requirements.
* Designed User Interface using **Web Forms, Win forms, DHTML, XSLT, XML, JavaScript, AJAX, CSS, ASP.NET, Server Controls and Visual Studio.Net.**
* **Implemented Multi-threading** concepts in various part of the application.
* Created user interfaces using **ASP.NET Web forms** and **Webserver controls**. Navigation menus were implemented using **Tree and Menu Controls and Custom/User Controls in ASP. NET**
* Studied Business Requirements, Analysis and converted business requirements into technical specifications.
* Coded the **Business Logic layer** and **Data Access layer** using **C#**.NET.
* Used **Themes, Skins and CSS** to give look and feel to Web pages using ASP.Net
* Developed **User Controls** to reduce the Complexity in User Interface Coding and provide better look and feel & performed validation using JavaScript.
* Written SQL Queries, **Stored Procedures**, functions using TSQL.
* **Unit Testing** using **N Unit**, **Regression Testing**, **Integration Testing**, **Defect Tracking Systems** and **Performance testing** of the software systems.

**Environment:** XSLT, UML,WPF, Ajax, JavaScript, SSIS, SSRS, .Net Framework 2.0, Multi-threading/Multiprocessing, C#.NET, ASP.Net 2.0, ADO.Net, SQL Server 2005, Visual Studio.Net 2005, TSQL, XML, DHTML, CSS, HTML, N-Unit, IIS, Visual SourceSafe.