# Kranthi Kumar (Local to MO)

# Certified Full Stack Developer

**Sr. C# .Net/UI/UX Designer**

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SUMMARY:

Software Developer with over 8 years of rich experience in IT with wide exposure in Designing, Developing and Implementing Intranet, Internet, client/server applications, Web development, Object Oriented Programming in Software Development Life Cycle (SDLC) using Microsoft.NET Framework (4.6.2/4.5/4.0/3.5/2.0, ASP.NET, C#.Net, VB.NET, ADO.NET, MVC 5.0/4.0/3.0, MVVM, Entity Framework 6.0/5.0/4.0, Visual Studio 2015, 2013, 2010) and technologies includes HTML 5, CSS 3, Java script 1.8,Bootstrap 4.0/3.3/3.0, J Query 2.1/1.11,2.6/2.0, T-SQL, MS SQL 2012/2008, NoSQL(Mongo DB, Couchbase). Strong capabilities in analyzing the requirements and developing applications for DOT (Department of Transportation) MO, Auto-Insurance, and Media domain.

* Extensive experience in designing and developing applications using Microsoft Technologies and .NET Framework 4.5/4.0/3.5/3.0/2.0
* Expert in all phases of software development life cycle (SDLC) – Project Analysis, Requirements, Design, Development, Testing, and Deployment and Documentation. Experience with all phases of software Development Life Cycle in the Waterfall model and Agile (SCRUM) methodologies.
* Most recent concentration has been the design of object-oriented web applications for client-server applications using **Angular 4**, Bootstrap, CSS 3, and SASS.
* Experience in using Language-Integrated Query LINQ to XML, LINQ to SQL, ADO .Net, Entity Framework and retrieve data from different data sources.
* Proficient in using **Continuous Integration and Continuous Delivery (CI/CD) tools like TeamCity and Octopus**.
* Deploying ASP.NET and web applications on Windows IIS 6.0, IIS 7.0 and IIS 8.0 with Octopus tool.
* Hands on technology experience of designing and developing software applications with**Microsoft .NET Framework 1.0/1.1/2.0/3.0/3.5/4.0/4.5 using C#, ASP.NET and ADO.Net**.
* **Designed and Developed Various Angular 2 Component (/ngModule), Services (observable/promises), Directive and Pipes, Used Angular 2 CLI commands for productivity and global/generic building blocks .**
* Developed Single page applications using **Angular 5.x/4.x/2.x, Angular JS** and **React JS**.
* Designed and implemented the application using **Micro Service Architecture** for its various distinct advantages

like loose coupling and design patterns.

* 1 year of experience in the Web Applications Development using **MEAN Stack**.
* Expertise in building and deploying **ASP.NET Core** application to Azure Cloud Service and Prototype concept using **ASP.NET** core and EF7 model first to replace current Access apps.
* Implemented **ASP.NET MVC** pattern mechanism to display product catalogs and categories.
* Extensive experience in .**NET Framework 4.5/3.5/3.0/2.0/1.x,** Web based application development using Microsoft.NET technologies including **ASP.NET 4.5/3.5/3.0/2.0, C# 4.0/3.0/2.0, ADO.NET, WCF, Entity Framework, Expression Blend, AJAX, WinForms, XML.**
* Worked with **Octopus Deploy**to create a release Environment and deploying the applications to the various Cloud Environments.
* Used ADO.NET and **Dapper** to retrieve data from database.
* Proficient in front-end development using **Angular 2/4**, **JavaScript, jQuery, HTML5, CSS3, Typescript and Bootstrap.**Worked with the Architecture teams to implement upgrade of **Angular 1.5 to Angular 2.0**.
* Built AngularJS components, UI services to consume rest services using Component based architecture provided by **Angular 2**. Expertise with creatingsingle page applications using **Angular JS with MVC capability**.
* Experience working with VB.net, and C# programming language.
* Worked in **Agile and Scrum** environments and extensively utilized **OOD, Design Patterns.**
* Experience in designing and developing Microservices for the business components using .NET framework.
* Experience in creating Containers by Docker's for Microservices
* Experience working with **JavaScript, VBScript, JQuery, Angular JS, Angular 2.0, and AJAX in ASP.NET** for asynchronous communication and better user experience.
* Experience working with **XML, XSLT, XQUERY, and XPATH** and worked with libraries.
* Hands on experience in developing and deploying **WCF services, Web API, Web Services** providing secure **SOA** in enterprise applications.
* Expertise in working with various **ADO.NET Components:** developing **Business Reports** using **SQL Server Reporting Services (SSRS).**
* Experience in importing & exporting various data sources using **SQL Server Integration Services (SSIS).**
* Extensively worked in writing **SQL queries**, **stored procedures**, **database triggers**, **cursors**, exception handlers, DTS Export & Import.
* Designed web UI/UX for mobile devices.
* Produced wireframes, mockups, and UI/UX art assets.
* Strong familiarity with web design patterns and UI toolkits.
* Work closely with product management in UX ideation and innovation.

Education Qualifications

* Bachelors in Computer Science and Engineering

CERTIFICATIONS

* Microsoft Certification in C# Programming

TECHNICAL SKILLS

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| **.Net Technologies** | .Net Framework 4.5/3.5/3.0/2.0, Classic ASP, ASP.NET CORE 1.1/2.0, ADO.NET, ASP.NET 4.5, C#.NET, AJAX Extensions, AJAX Control Toolkit, XML Web Services, LINQ, WPF, MVVM, WCF, WWF, Silverlight 2/3/4, Expression Blend, MVC 5, IOS SDK |
| **Languages** | C, C++, C#, VB.Net, VB |
| **IDE** | Visual Studio.Net 2012/2010/2008/2005/2003 |
| **Web Technologies** | AJAX, JavaScript, VBScript, HTML 5, XHTML, DHTML, Flash, XML, XSLT, XAML, CSS 3, ASP, Knockout JS, Angular JS 1.5/1.6, Angular 5/4/2, Octopus, Dapper. |
| **Application Servers** | IIS6.0, IIS5.x with .NET Framework, Microsoft Office SharePoint Server 2007. |
| **Databases** | SQL Server 2000/2005/2008, Microsoft Azure, Oracle 10g, MS Access, SQL, MySQL, T-SQL, PL/SQL |
| **Design Tools** | Design Patterns, Rational Rose. |
| **Operating Systems** | Windows 7, Windows Vista/XP/2003, Macintosh OS X, UNIX, Linux 6.2/7.0. |
| **Modeling Tools** | UML, MS Visio 2000, Long View Trading |
| **Version Control Tools** | Visual Source Safe (VSS) 2005, Subversion, Team Foundation Server 2010/2008 |
| **Testing Tools** | N-Unit, Jasmine, Cucumber, Karma |

PROFESSIONAL EXPERIENCE

**Client: State of MO, DOT-Department of Transportation- Jefferson City, MO Jan 2017 – Till Date**

**Sr C# .Net Developer/UI Developer/UX Designer**

**Project: Railway Management Systems/Online Railway Reservation System**

**Description:** The Mo DOT Multimodal Division administers the state’s railroad program to ensure Missouri’s rail system is safe for the motoring public, rail passengers and railroad employees.  Within the office there are regulatory and program functions, including freight rail regulations; Amtrak passenger rail operations and promotion; light rail safety regulation; highway-rail crossing safety; rail/highway construction projects; highway-railroad crossing safety outreach; and safety inspections of railroad tracks, grade crossing signals and operating practices. Developed an online system that provides facility to login and book tickets.

**Responsibilities:**

* Worked in Agile environment delivering functionality on time with quality as highest priority.
* Designed the web UI using **ASP.NET**, HTML, DHTML, jQuery, Angular 4.0, JavaScript, JSON, CSS, XSL, Web Forms and AJAX controls. Strictly implemented mobile first approach and responsive web design.
* Development of UI mock-ups, prototypes and implement user interfaces for key components of the web application.
* Designed and developed Hybrid-Single Page Application using **C# 5.0,**.**NET Framework 4.5, ASP.NET MVC 5,**and**AngularJS.**
* Migrated legacy line of business application and architected and designed to improve overall page response using **Asp.net MVC, Kendo UI and Ajax.**
* Designed and developed UI grids using Angular.js Framework.
* Consumed REST (Representational State Transfer) services in UI service layer with the help of $http and $resource.
* The technology being used ranged from .Net Framework 4.0, **VB.Net**, C , Farpoint Spread and SQL Server 2008.
* Designed UX for the admin tool to manage users, groups, brands, and content, deploy and purge content, and monitor reps.
* Participated in the software deployment processes for in-house developed integrations using **Octopus Deploy**
* Created User Control in **vb.net** to make application code reusable and to give same look and feel to the application.
* Implemented SOA with creating and consuming Web Services in **VB.Net**.
* Established UX design as the first stage of all Web and mobile application developments, instituting a user-centered design (UCD) approach. Frontend technologies **Angular 4.x/5.x, Angular Material, Bootstrap.**
* Implemented AngularJS Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory.
* Created stored procedure, trigger on the database to provide/insert specific data from multiple tables for **Web API** services.
* Keeping current with Angular 4 and Typescript we were able to further modularize the app for reusability and consistency. Jasmine, Karma, and Wallaby.js were used for unit and integration testing.
* Designed components using JSX and reducers and actions using React.js and Redux using the latest version of JavaScript (ECMA 6).
* Implemented ORM layers using **Dapper**, LINQ.
* Implemented few modules in MVC 5, entity framework code first pattern, **Dapper** (micro ORM), Azure.
* Used ADO.NET and **Dapper** to retrieve data from database.
* Worked with **WEB API's** to make calls to the web services using URLs, which would perform GET, PUT, POST and DELETE operations on the server.
* Created a **RESTful Web API** service using **ASP.NET Web API** to generate data for the EMS which was then consumed in the front-end by **AngularJS**.
* Design wireframes, user flows, comp visual design and code pages using HTML5 / CSS3.
* Experience in developing Self Host Services by using Microsoft OWIN.
* Experience in creating Containers by Docker's for Microservices.
* Developing UI layer using React, Redux framework.
* Business end user facing front pages using Angular 2.0, CSS 3, HTML 5, JavaScript and Bootstrap.
* Built application using **ASP.Net MVC Core, Code First, Angular 2.0**.
* Installed the tools as required for the project development from the **Nuget** Package Manager.
* Used **AngularJS** and ng-grid JS libraries as a part of client-side development
* Implemented LINQ for querying, sorting, filtering the complex objects.
* Used WCF JSON and WCF Rest service in developing and deploying on windows in line with the service oriented architecture (SOA).
* Used dependency injection (Unity) to create loosely coupled classes.
* Used **JQuery** for Client-Side Validations and **AJAX** calls to communicate with Controller Actions and **Web API** Services with **JSON** Data. Developed .**Net core** functionality with the **ASP.NET MVC** Framework.
* Worked with **XSLT** for transforming the XML document to other format, and data change/updates.
* Worked in Test Driven Development (TDD) environment, wrote Unit Tests and Integration Tests.
* Customized the security roles, user teams and field level security profilers.
* Deployed the SSIS packages on SQL server and scheduled the daily jobs on SQL server to load the data every day.
* Worked with data migration. Used tools like SQL Server integration services (**SSIS**) in transferring data from one database to another.
* Created Database objects like Tables, Stored Procedures and Triggers in SQL Server 2014.
* Developed reports using BIDS, SSRS according to the input parameters required by the business.
* Provided estimates, daily & weekly status report to the client on progress of the tasks.

**Environment:** .Net 4.5/4.6, Visual Studio 2012/2013/2015, SQL Server 2012/2014, C#, ASP.NET MVC 4/5, ADO .NET, JavaScript, J Query, AJAX, HTML5, Bootstarp 4, Microservices, .Net Core 1.x/2.x, CSS3, Web API 2.0, Angular JS, TFS, IIS 7.0, WCF, Entity Framework 6, TFS, XML, XSLT, Microsoft2016,2015, MS outlook, Octopus.

**Client: Sirius XM – Dallas, TX Dec 2015 – Oct 2016**

**Role: Sr. .Net Developer/UI Developer**

**Project: Everest**

**Description: Sirius XM is a multinational mass media and information firm**. Sirius XM digital experience projects focus on the end-to-end customer journey and encourage customer to transact from supporting center to self-driven subscription management system. The projects empower the team with continuous functional optimization across all digital properties. The current subscription management system is fully enhanced with new architecture and new designed customer interface.

**Responsibilities:**

* Effectively involved in various stages of development of the project starting from the project planning until production and maintenance using agile methodology.
* Worked with **ASP.NET** Web Forms, State Management, caching features, for optimization and configuration of the web application using **C#.NET**.
* Involved in application migrations from **IIS** 6.0 to IIS 7.0.
* Designed, developed and trouble-shoot the application using advanced Microsoft technologies such as **ASP.NET MVC 5 with Entity Framework, JQuery, HTML5 Razor, XML, WCF, and CSS3 using Agile development practices**.
* Used JSON to transmit data between Server and Web Application, an alternative to XML Serialization.
* Created and consumed Web API Restful services to consume full Http features like URI’s, request/response headers, caching, versioning and various content formats.
* Used **AngularJS** Factory, Services & Providers created for different modules of Users, Groups, and System & Entities.
* Solid experience in developing Single Page Applications (SPA) based on client-side JavaScript framework AngularJS for employing ASP.NET MVC and Web API.
* Used XRM.page object model to trigger JavaScript's in Form Onload Event, Onsave Events & FieldOnchange.
* Implemented User Interface in Model-View- Controller Architecture which accomplishes a tight and neat coordination of JSP, Servlets, Java Script, XML, AJAX, and HTML.
* Experienced with Service Oriented Architecture (SOA) using BizTalk Server, SOAP, and WSDL
* Used JavaScript extensively to enhance the UI and to make application looks more dynamic and to perform client-side validations.
* Participate as one the application architects of a new multinational/Multilanguage Confidential Latham logistic system. Implementation platform was asp.net 4.5 using own framework and **Dapper** ORM on the server side and JavaScript using Bootstrap, Angularjs, kendo UI, HTML 5 on the client side.
* Implemented XML Web Services in C# based on SOAP protocols using **XML** and **XSLT** extensively for data transfers.
* Creation and Maintenance of MS Azure-cloud Infrastructure and Virtual Network between MS Azure Cloud and On-premise network for backend communication.
* Implemented features of ASP.Net such as Calendar Controls, Repeater Control and Security using form authentication and used ASP.Net Validation controls to do server-side validations and client-side validations based on the user's browser.
* Involved in developing Web Services and **WCF** **services** and consumed third party services.
* Designed and developed a Presentation layer, Business logic and Data layer for employee, Provider and Validation List Item Lookup details using ASP.NET, C# and SQL Server database.
* Worked on **ADO.Net** components SQL Connection Object, SQL Command Object, Data Reader, Data Adapter, Data Set and Data View to provide communication to the database.
* Worked on Database Security including creating Logins and Roles for users to access the database.
* Managed security logins and worked with Windows authentication, SQL server authentication and mixed modes.
* Used **MVVM** pattern by utilizing Angular JS for two-way data bindings with JQuery and JSON.
* Involved in taking Backups, Restoring and Import/Export data using **MS** **SQL** **Server**.
* Followed Best practice development processes including continuous builds, rapid sprints, with an emphasis on quality and TDD.
* Delivered quality performance, team player and mentor others with excellent analytical and debugging skills.
* Used Microsoft **Team** **Foundation** **Server** (TFS) for all the source code maintenance among the whole team members.
* Collaborate with other development staff to problem solve, implement solutions, perform code reviews and troubleshoot.

**Environment:** .Net 4.5/4.0, Visual Studio 2013/2015, SQL Server 2012/2014, C#, ASP.NET MVC 4/5, JavaScript, JQuery, Angular JS, AJAX, HTML, Bootstrap v3, CSS, WCF, Web API, Entity Framework, XML, XSLT, XPATH, XQUERY, JSON, TFS,MS Dynamics 2015,2013.

**Client: State of New York, NY Mar 2013 – Oct 2015**

**Role: .Net Developer**

**Description:** State of New York is the government Organization which provides various services to the people of the New York state. The services include Environment, Health, Housing, Business, Licenses, Military, Safety & Justice, Employment, Education etc.

**Responsibilities:**

* Involved in development life cycle, from design phase to implementation phase, testing and deployment. Followed Agile Methodology to produce high Quality software and satisfy the customers.
* Involved **C# .NET, ASP MVC, Razor, XML, HTML5, CSS3, HTML/CSS, JavaScript, JQuery, SOAP** and **REST APIs**.
* Used Model View Controller (**MVC 4**) architectural Design Patterns for the development of the product.
* Developed xml documents.
* Client-side validations using Data Annotations.
* Designed and developed the user interface for various tools and implemented **ASP.NET** validation controls**, JavaScript, JQuery, CSS** for server and client-side validations respectively.
* Made full use of **.NET** object oriented features(C#), event handling, error handling, caching and security feature.
* Developed Web Services which can be used by number of clients in getting useful data.
* Extensively used **WCF** services, thereby achieving complete Service Oriented Architecture.
* Worked with **WCF** Service Contracts, Data Contracts, Operation Contracts, Instance Modes and Security of the services.
* Used JQuery UI controls, Templates and Widgets to Support the UI.
* Designed, coded and modified applications by using **ASP.Net**.
* Used **LINQ** and **ADO.NET** for developing data access layer.
* Worked with data migration. Used tools like MS SQL Server integration services (**SSIS**) in transferring data from one database to another.
* Created Database objects like Tables, Stored Procedures and Triggers in MS SQL Server.
* Used **ADO.NET** objects such as Data Reader, Data Adapter and Data Set to object data source fetch and handle user data.
* Provided codes to perform Unit Testing.
* Deployment of Application on Test and Production server.
* Responsible for maintaining versions of source code using Team Foundation Server.

**Environment:** C#, ASP.NET 4.5, MVC 4, VB.NET, ADO.NET, VB.NET, HTML5, CSS3, Visual Studio 2012, SQL Server 2008 R2/2012, SSIS SQL Server Integration Services, Razor View Engine, WCF, Web services, C#, UML, XML, CSS, AJAX, HTML, JavaScript, JQuery, TFS, LINQ to SQL and Windows Server 2008.

Client: Zurich Insurance, IL Jan 2012 – Feb 2013

**Role: .Net Developer**

The auto insurance project, Automated Regeneration System (ARS) is aimed at maintaining and developing the existing application that generates appropriate Insurance quote based on the information provided by the customers.

**Responsibilities:**

* Involved in Life Cycle Development (SDLC), provided value added services with development teams and clients throughout the life span of a project, strategic consulting, code writing, and managing complex development schedules and tasks.
* Followed Agile Methodologies (Scrum and Extreme Programming) and prepared all possible Use Cases for all the requirements.
* Used Schema First approach in the Entity Frame work.
* Used LINQ-SQL extensively for extracting the data from database using Entity Framework.
* Developed the user interface using ASP.NET, Telerik RadControls.
* Implemented Server and Client-side validations using ASP.NET validation controls, jQuery, Bootstrap.
* Developed WCF web services for calling Web API methods.
* Involved in fixing the bugs based on the client requirements and involved in the enhancements for the web forms, class files and stored procedures.
* Experienced in deploying the project in different environments.
* Designed and developed several SQL Server Stored Procedures, Triggers and Views. Transferred the MS Excel Sheet Reports into SSRS reports migrating the data using SSIS packages and then Use views, tables and stored procedures to develop new reports.
* Performed Unit Testing, Regression Testing and Load testing on the modules according to the requirements and development stand.
* Used Team Foundation Server as version control for storing different versions of Source Code.

**Environment:** Visual Studio 2012, MVC 3, ASP.Net 4.0, C#.Net, HTML, Telerik, RadControls, jQuery, SOAP, Web API, IIS 6.0, Web Services, WCF, XML, SQL-Server 2008, SSRS, SSIS, TFS.

**Client: Saksoft, Chennai, India Nov 2010 – Sep 2011**

**Role: .Net Developer**

**Description:** Customer Service Delivery (CSD) is a web based Customer Relationship Management based (CRM) project. The main purpose of CSD Application is to arrange meetings between clients and prospects. The application consists various modules such as dashboards, target list module, sales order module, campaign, meeting module.

**Responsibilities:**

* Involved in Design, Coding, Testing and Implementation of the application.
* Design and develop the **GUI**, Business Logic Layer and Data Access Layer **(DAL)**.
* Involved in development of **Web Forms**, **Classes** using **C#.NET** that incorporates both N-tier architecture and database connectivity.
* Created event driven **Web Forms** using **ASP.NET** and implemented form **Validation**.
* Implemented the project using **n-tier architecture** with presentation tier (ASP.NET).
* Used **ADO.NET** Connection, Command, Datasets, Data Adapter, Data Reader and XML to retrieve and store the data in SQL Server 2005.
* Used data controls like Data Grid, Data List, Data caching, Data Binding and Repeater controls throughout the application to display data in a customized format in the ASP.NET web pages.
* Created Tables, Indexes and Relations using **SQL Server 2005** and created Stored Procedures and triggers for automated operations.
* Used **Crystal reports** to generate reports to the Middle Office, and Back Office users.
* Used **Visual Studio.NET debugger** and **ASP.NET trace** functionality to debug the application.

**Environment:** .NET Framework 3.0/3.5, C#, ADO.NET, MVC, XML, Web services, HTML, SQL Server2005, IIS 6.0, Windows 2000, VSS, NUnit, Visual Studio2008, SQL Server 2008.

**Client: Symbiosis technologies, India Dec 2008 - Oct 2010**

**Role: Jr .Net Developer**

**Description:** Payroll application is a web application developed for calculating the payable wages, calculated based on the base rate of the employee plus overtime done for that job described by the invoice. Overtime calculations can be defined by the user also the payroll must be able to produce reports for wages payable at every Time.

**Responsibilities:**

* Worked closely with clients in gathering and analyzing requirements and providing solutions that meet the client’s requirements.
* Involved in UI Designing, Development and Testing of Web Forms using ASP.Net, C#, XML, ADO.Net and .NET Framework.
* Used **water fall model** for regular adaption to changing requirements and developing requirements.
* Involved in analyzing and designing of the system.
* Developed presentation layer Components using **ASP.NET 3.0 with Ajax**.
* Provided Windows based and Form Based Security for Login and Authentication.
* Implemented various **User Controls and Custom Controls** in front-end forms
* **ADO.NET** was used to access data from **SQL Server 2005.**
* Performed Client- side validation using Java Script as well as set of validation server controls such as the Range Validator, Custom Validator and Required Field Validator etc.
* Involved in Unit Testing, Documentation, Debugging and Bug Fixing. Used Team Foundation Server for source Version Control.
* Wrote **SQL queries** with **Joins** on multiple tables, **Stored Procedures, Functions, Triggers**, Backup and Restore Database, define roles. Create database Involved in designing database, SQL queries optimization and performance.
* Involved in full lifecycle of the project from design, development & Testing.

**Environment:** VB.Net, ASP.NET 3.5, ADO.NET, Care Analyzer, Visual Studio 2008, HTML, JQuery, SQL Server 2005, Windows Server 2008 and TFS.