

**Surya Kiran K**

**Senior .Net Developer**

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**PROFESSIONAL SUMMARY:**

* 6+ years of experienced senior Net Developer with knowledge of design principles, secure coding techniques, design patterns like **FACTORY, BUILDER**, etc.
* Worked in designing, developing, and testing n - Tier Client/Server Web-based Applications using Microsoft **.NET** Framework and **SQL** Server with Agile and Waterfall Development Methodology.
* Good in an Agile Environment using Scrum methodology (participated in backlog item sizing and prioritization, iteration/sprint planning, daily stand-ups, Sprint retrospectives, etc.).
* Expertise in Object Oriented Programming **(OOPS)** concepts in **C#**: Abstraction, Encapsulation, Inheritance, and Polymorphism and good experience on DevOps essential tools like **Docker, Kubernetes, GIT, Jenkins**,
* Good at **Angular JS** 2.0/4.0/5.0 implementation on the client side.
* Transforming client requirements into technical specifications, Modeling and developing an application using **VB.NET, ASP.NET, WCF, EF, WEB API, MVC, MVVM, SQL Server**, and WPF.
* Proficient in using.NET based frameworks in a distributed architecture and utilizing the framework to create service-oriented applications **(SOA)**
* Expertise using **MVC** 5 design pattern created Models, Views, Controllers, Partial Views, Action Filters, Validations,
* Data Annotation, Custom Model Binder and Routing using **Razor** view with **HTML** helpers and **AJAX** helpers.
* Expertise in **.NET** technologies **(NET Framework 3.5,4.5)** including **ASP.NET, C#, VB.NET, Win Forms, ADO.NET, MVC, WCF, XML, LINQ, Web Services, Entity Framework, Angular JS, AWS, Azure**
* Extensive experience in Building web applications using Kendo **UI** widgets, **JQuery, Angular 4.0/2.0/JS.**
* Ability to troubleshoot and diagnose **API** Gateway issues using Azure portal, PowerShell, and **Azure CLI**.
* Extensive knowledge of **HTTP, JSON**, and XML protocols, as well as the ability to implement various authentication and authorization mechanisms such as OAuth 2.0 and **JWT.** Experience in implementing secure communication using **SSL/TLS** protocols.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Extensively used **HTML5, CSS3**,**javascript, JQuery, Typescript, Telerik Kendo** UI Controls, **Bootstrap**, and **AngularJS** to create Single Page Applications **(SPA).**
* Used Chrome developer tools for Client-side debugging and implemented **AngularJS MVC** Framework on the client side and worked with features **HTTP** Service to make **AJAX** calls, Route Providers, Filters, Factories and Controllers, Models, Views to manipulate **DOM.**
* Expertise in designing and developing Windows based applications, Web based applications and Responsive web applications with **MVC, ASP.NET, C #.NET, VB.NET, Java Script, jQuery, Bootstrap, Angular JS, React JS.**
* Designed and implemented **RESTful APIs** using **.NET** Core and **Entity Framework** for data modeling, retrieval, and storage and optimized web application performance by implementing server-side rendering, lazy loading, and code splitting techniques.
* Experience in data migrating (using tools like **DTS, BULK\_INSERT**, and **BCP**) between different systems and **SQL** Server as a part of Data Migration and Data Maintenance using **SQL** 2000.
* Experience in creating Tables, Stored Procedures, Prepared Statements, Triggers, Cursors, Functions, Views, Indexes and Joins using **SQL Server** 2008/2012/2014/2016.
* Implemented **MongoDB** as the **NoSQL** database for storing and retrieving data and integrated it with the **ASP.NET** Core application using the official MongoDB driver for .NET.
* Experience with **PL/SQL** packages, procedures, functions, triggers, and views. Strong understanding of **SQL** and ability to write optimized **SQL** queries within **PL/SQL** code.
* Familiarity with message queuing brokers such as **RabbitMQ, ActiveMQ, MSMQ**, and **Kafka,Kafka** event sourcing.
* Implemented **TDD** (Test driven development) using **XUNIT** framework, implemented unit testing of **MOCK** objects using **MOQ** and knowledge on e-Commerce with **CMS** to get the application on the web with required design.
* Proficiency in writing unit tests and end-to-end tests for frontend applications using testing frameworks like Karma and Jasmine.
* Used **WPF** 4.5 built-in set of data services to bind and manipulate data within the web-application. Experience Creating Restful web services using **Web API** 2.0.
* Implemented Dependency Injection using Unity Container.
* Proficient in Azure services like **Azure Functions, Azure App Service, Azure Blob Storage, Azure SQL Database,** Azure Virtual Machines, Azure Active Directory, and Azure DevOps.
* Strong understanding of Azure Resource Manager **(ARM)** templates for infrastructure as code (**IaC)**. Skilled in using Azure Application Insights to monitor and troubleshoot .**NET** applications.
* Knowledge of **AWS** database technologies, such as Amazon **RDS** and **DynamoDB**, and experience in integrating them with .**NET** applications.
* Proficient in using **AWS SDKs** for **.NET** to interact with **AWS** services.Worked on Microsoft Dynamics **CRM 2014** to manage the customer relationship in the industry.
* Knowledge in **C#** Open Source Managed Operating System **(Cosmos)** to build the operating system.
* Experience working in SQL Server Integration Services **(SSIS)** packages to extract, transform and load **(ETL)** data from different databases and experience in deployment using **IIS** Application Servers.
* Worked on Globally Unique Identifier **(GUID),** to get unique identifier and change them to names.
* Proficient in using **Git** for version control, including creating and managing repositories, branching, merging, and resolving conflicts.
* Proficient in using Visual Studio Code's built-in tasks and commands for building, testing, and deploying applications. Skilled in using build and package managers like NuGet and npm to manage dependencies and packages.
* Used Postman, Fiddler to test APIs.Good knowledge on **JIRA** and **BitBucket** to get the applications worked.

**TECHNICAL SKILLS:**

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| **Programming languages** | C#, VB.NET, React, AngularJS 2.0/4.0/5.0, Node JS, HTML, CSS, Bootstrap, XML, XML Schemas. |
| **.NET Technologies** | ASP.NET Core, ASP.net 4.6/4.5/4.0/3.0, ADO.NET, WPF, Entity Framework. |
| **Web Technologies** | ASP.NET, MVC 5/6, Web API, AJAX, XML, Web Services, WCF, ASP 3.0/2.0, Active X, WSDL, UDDI. |
| **Web Services** | REST, SOAP, WSDL, XML. |
| **Markup/Scripting Languages** | HTML5, CSS3, XML, XHTML, XSLT, JavaScript, VBScript. |
| **RAD/IDE** | Visual Studio.Net 2008/2010/2012/2013/2015/2017. |
| **Database Development** | MS SQL server 2008/2012/2014/2016, MS-Access, MySQL. |
| **SQL Server Tools** | SQL Management Studio (SSIS, SSRS), Query Analyzer, Export & Import (DTS). |
| **Scripting Languages** | JavaScript, jQuery, TypeScript. |
| **Reporting Tools** | SQL Server Reporting Services (SSRS 2008), Crystal Reports (2011 (14.0.x), 2013 (14.1.x)), SQL Server Management Studio (SSMS), Crystal Reports |
| **Source Repositories** | TFS, GIT, VSS, JENKINS |
| **Cloud Technologies** | AWS Lambda, S3, EC2 AWS SDK, AZURE App service,AKS , GCP GKE,Cloud pub/sub |

**PROFESSIONAL EXPERIENCE:**

**Client: Hudson's Bay Company, Liberty St. New York Jan 2022 – Till Date**

**Role: Senior .Net Full Stack Developer**

**Responsibilities:**

* Implemented the project according to the Software Development Life Cycle (SDLC) and programming by using fast paced agile methodology, involving task completion, user stories, and iterations.
* Designed and deployed server-side application using **ASP.NET** **Core**, **C#, Entity Framework**.
* Used top design patterns, Sync Await, Dependency Injection, and Layered Architecture for building the application.
* Worked with **Angular 10.0** routing, lazy loading, services, components, directives, pipes, interceptors, http and reactive forms to develop the client-side application.
* Written aggressive unit test cases for the code at least to cover 90%.Utilized Test-driven development **(TDD**) technique to drive the design of software and force decoupling of dependencies AND implemented **SSO** Service to create the **SAML** Assertion for exchanging authentication data between Service Provider and Identity Provider
* Designed database tables based on **SAML 2.0** schema required to manage to Single Sign On **(SSO).**
* Used **Jenkins** pipelines to drive all micro services builds out to the **Docker** registry and then deployed to Kubernetes, Created **Pods** and managed using **Kubernetes**.
* Proficient in developing applications using **.NET** Framework and **.NET Core,** with extensive experience in creating and maintaining Azure-based solutions.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux, Bash, GIT, Docker**, and utilized **Kubernetes** and **Docker** for the runtime environment of the **CI/CD** system to build, test deploy.
* Experienced in using **Azure** DevOps for continuous integration and deployment, including building and deploying   
  **.NET** applications to Azure from source control systems like **GitHub**.
* Manage various **AZURE** environment for provisioning of **Linux** servers and services implemented by the providers and created a virtual Network on Windows **Azure** to connect all servers and applications on the platform.
* Worked on configuring **IIS**, which includes creating websites under sites, **Handler Mappings**, **Application pool**, **Http Bindings**, and configured Application Request Routing **(ARR**).
* Collaborated with the **UI/UX** team to implement responsive design principles using **CSS** frameworks Bootstrap and Material Design to ensure optimal user experience across different devices and screen sizes.
* Utilized advanced **JavaScript** techniques such as Promises, **Async/Await**, and Event-driven programming to build interactive and responsive user interfaces, as well as optimized the performance of JavaScript code through techniques such as code splitting, lazy loading, and tree shaking.
* Experience implementing **GraphQL** subscriptions for real-time data updates, improving user experience and reducing server load by eliminating the need for clients to constantly poll for updates.
* Setting up **AngularJS** framework for **UI** development. Developed html views with **HTML, CSS, JQuery, JSON, and Java Script** and created Data Access Layer, BLL Business Logic Layer, Presentation Layer Classes using **C#** and .**Net 5.0** for web pages and designed, developed and migrated **SSIS 2008** to **SSIS 2012** packages.
* Used **LINQ** to **SQL** to create queries to fetch data from **DB** from Controllers.
* Developed SSIS packages and scheduled jobs running SSIS packages using **SQL Server** to perform several scheduled tasks and workflows. Unit Testing of **Angula**r Projects as well as **SSIS** Projects

**Environment:** .NET Framework 5.0, ASP.NET Core, Azure, Visual Studio 2019, MVC 5.0, C# 8.0, Entity Framework 3.0, AJAX, JSON, XML, XSLT, AngularJS, Angular 10.0, VB.Net, Kendo UI, HTML5, CSS3, Bootstrap, SQL Server 2018, T-SQL, TDD, GIT, TFS, IIS.

**Client: Merck Pharma, Branchburg, NJ Sep 2019–Dec 2021**

**Role: .Net Full stack Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance and involved in the re-design and architecture of Designee Management System application using client technologies like **Angular 4/5.** Working on a .Net application with **C#, Angular, LINQ, Web-API** and **PostgreSQL**
* Involved in development of forms for Application Process and Selection process in **Angular 4/5**.Designed server-side applications using **MVC** and Web form in web application framework.
* Extensive experience with **AWS** services such as **EC2, S3, RDS, DynamoDB, Lambda, Elastic Beanstalk, API Gateway, CloudFront, CloudWatch,** and more.
* Proficient in developing, deploying, and managing **.NET** applications on AWS cloud infrastructure. **Kubernetes** is being used to orchestrate the deployment, scaling and management of **Docker** Containers.
* Involving in implementation of Unit Testing using **JUnit**. Used **AJAX** controls to retrieve the data from the server without interfering the display and behavior of existing page.1Worked on **WEB API** manipulation for companies intranet sites based on **SDL Tridion**.
* Used **MVVM** to decouple **Xamarin** code from the main code to make it pliable for the Unit Testing. Used **jQuery** and Prototype to meet **AJAX** and **DOM** scripting needs.
* Implemented the project according to the Software Development Life Cycle (**SDLC)** and programming by using fast paced agile methodology, involving task completion, user stories, and iterations.
* Proficient in using **AWS CLI** to manage AWS resources and deploy .**NET** applications. Familiarity with **.NET Core** and its support for AWS services, such as **AWS Lambda** and **API Gateway**.
* Performed all unit testing, debugging and post-release support using **Xamarin** Test Cloud with different iOS/Android OS versions and devices.
* Designed the database schema for **MongoDB** to optimize performance and scalability, and utilized the flexibility of **NoSQL** data modeling to handle complex data structures and relationships. Additionally, implemented features such as sharding and replication to ensure high availability and fault tolerance of the database system.
* Implemented abstract, sealed classes, interfaces and classes to construct the business and data tier using **C#** and Entity Framework and created **WCF** Service to retrieve and send information from client side without Post Back and consuming existing Web Services using **SOAP, HTTP** and **WSDL**.
* Worked on **.NET** Security features such as Authentication & Authorization, Forms-based Authentication, Authorizing Users, Roles and User Account Impersonation, tracing.
* Used **SSRS** for developing reports for analyzing the inflow and outflow of different documents, tickets.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.

**Environment:** NET Framework 4.0, Visual Studio 2010, MVC 4.0, DTS Packages, DBMS, C# 4.0, Entity Framework, AJAX, JQuery, JSON, XML, XSLT, JavaScript, SQL Server 2008, VB.Net, Restful, TDD, SQL Server 2012, LINQ, T-SQL, TFS, IIS, HTML 5, CSS 3, React

**Client: Travelport, Maharashtra, India Jul- 2018–May-2019**

**Role: .Net Full Stack Developer**

**Responsibilities:**

* Implemented AGILE development methodology and provided estimates, and participated in Weekly grooming meetings, daily & weekly status report to the client on progress of the tasks.
* Used **Jenkins** pipelines to drive all microservices builds out to the **Docker registry** and then deployed to Kubernetes, Created **Pods** and managed using Kubernetes.
* Developed Responsive Web pages that are rich in user interactive using **ReactJS, HTML5**, and **CSS3, JavaScript,** **jQuery** Bootstrap and performed Performance testing for the application before go-live and fixed performance issues.
* Wrote application using **Web API** to talk to external applications and involved in writing small **ASP.NET** Web Forms application with **VB.NET**as programming language.
* Integrated React front-end with .**NET** Web API to build a full-stack application with a scalable and performant architecture and implemented Server and Client-side validations using **ASP**. Validation controls, **J-Query**.
* Created and consumed **ASP.NET** Web services and implemented Restful **Web API/WCF** services for service layer and created Action filters and Exception filters to implement **REST** services.
* Developed n-tier Architecture and distributed .NET applications using **Web Forms, Win Form**s.
* Participated in various Client meetings with the team and the Project manager to discuss improvements /amendments in the development of the section.
* Used Unit framework for unit testing (**MS Unit** and **NUnit**) the application. Provide production support for the applications developed after deployment Review code written by other developers.
* Created unit and integration tests using substitution and Unity (**IoC**/ dependency injection)
* Respond to production issues and modify code (frontend and backend) to provide quick resolution writing unit tests using **NUnit** and **Visual Studio 2017.**Performed Integration Testing, Load Testing, and Unit Testing using Visual Studio testing tools.

**Environment:** C#, ASP.NET, ADO.NET, Restful, MVC5, VB.NET, ReactJS, WCF, Web API 2.0, .NET Framework 4.5.2, NUnit, HTML, HTML5, CSS3, AJAX, CSS, Angular 2/4/5, SQL Server 2016, Entity Framework, Visual studio 2017, JavaScript, JQuery, N SERVICE BUS, MS SQL Server, TFS 2017, GIT.

**Client: Amway Corp, Bangalore, India Jul 2017 – Jun 2018**

**Role: .Net Developer**

**Responsibilities:**

* Involved in Daily Scrum (Agile) meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Used **OOPS** concepts in developing classes and used Entity Framework Code First approach to implement data access layer, used **LINQ** to Entities to write **Lambda** Expressions for data filtering and projection in various dimensions.
* Created the Controllers and Controller Actions, Filters, Routing, Custom Action Filters using **ASP.NET MVC.**
* Implemented both **MVC** architecture and **Entity Framework** to create automated view models and entity classes.
* Developed Data Access Layer to communicate with **SQL** Server 2014 using Entity Framework Code First approach and queries being written using **LINQ** to Entities, worked with performance tuning of Entity Framework too.
* Responsible for **AngularJS** as a development framework to build a single-page application.
* Developed **AngularJS** factories for the services and consumed the services in the controllers.
* Worked on unit testing frameworks like **jasmine** with karma and end2end testing framework protractor.
* Developed **WEB API 2.0** Services to capture important life insurance policy application data from clients to provide an interactive approval process for underwriters.
* Worked on Automation of Test cases using **XUNIT** for unit testing of existing modules. Used **WPF 4.5** built-in set of data services to bind and manipulate data within the web-application.
* Implemented Dependency Injection on components and services for better code reusability.
* Used **TFS 2013** for Version Control and Dimensions for deployment of code to **SIT** and **UAT** test servers using Octopus and developed **Junit** test cases to validate the **REST** services.
* Worked on Electronic Data Interchange (**EDI)** to get the data from the other location based on **X12** standards.
* Implementation of Custom reports by pulling data from various sources and presenting in SQL Server Reporting Services **(SSRS**) and created **WCF** restful service to expose to other applications in state project.
* Written & optimized **T-SQL** statements, Views, User Defined Functions, Stored procedures with **SQL** Server database and provided expertise on Web Content Accessibility Guidelines **(WCAG) 2.0** compliance.

**Environment:** MS Visual Studio 2017, REST, ASP.Net MVC 5, C# 6.0, Web API 2.0, SQL, AJAX, Node JS, HTML5, CSS3, AngularJS 2.0, jQuery, Java Script, Entity Framework 6.0, SQL Server 2014, TFS, GIT.