**KC SAKUN**

FULLSTACK .NET DEVELOPER  
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# **PROFESSIONAL SUMMARY**

* Around 8+ **Years** of professional IT Experience in Analysis, Design, Development, Testing, and Implementation of Microsoft **.Net Azure Architecture**, **Client/Server,** and **Web-based N-tier architecture systems** using Microsoft Technologies.
* Designer/developer of **Web** and Windows applications using **.Net 4.0/5** **C#, C#.Net Core 2/3/4x, .Net 6, ASP, ASP.NET, ASP.NET MVC, ADO.net, Web APIs, Multithread**, and **XML** in multi-tier, SOA and Micro-services architectures.
* Experienced with **ASP.NET**, CSS, and **HTML** in creating an internal project for the team.
* Well-versed with web analytics tools like **Adobe Analytics**, and worked on Tagging requirements and setting context data variables to **Adobe** **Site** **Catalyst** stated metrics (**Prop, eVars, events, context data**).
* Good Knowledge of **Microsoft .NET Design Patterns** including **Dependency Injection (DI),** **Singleton**, **MVVM** and **MVC, and SOA**.
* Experience in developing applications front end using **Angular JS 14/12/11/9/6 & 4**, **DOM**, **Knockout** **JS**, **Node** **JS**, **HTML5**, **DHTML**, **CSS3**, **Bootstrap**, **TypeScript**, **JavaScript** framework, **Crystal** **report** **9**, **MS** **Access**, Expression (Blend and Design), **AJAX** controls, **jQuery**, **VBScript, JSON**.
* Expertise in **React J**S and working with **React** **Flux** **Architecture** and Implemented **client-side** interface using **React JS**. Build stable React components and stand-alone functions to be added to any future pages. Used React-router to turn applications into **Single Page Applications (SPA).**
* Deployed Windows Kubernetes (**K8s**) cluster with Azure Container Service (**ACS**) from Azure **CLI** and Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI/CD** system to build, test, and **Octopus** Deploy. Experience in dealing with **Windows Azure IaaS** - Virtual Networks, Virtual Machines, and **Cloud** Services.
* Experience with **AI** models like **SVM**, **K** – Means Clustering, **ARMA**, and **GARCH** modeling.
* Implemented **Azure** Application Insights and exported **RED** (**Requests**, **Error**, **Duration**) counts to **AI**.
* Experience in building isomorphic applications using **React**.**js** and **Redux** with **GraphQL** on the server side.
* Expertise in designing and developing **PowerApps** using **Azure** Cognitive service (Custom vision **AI** service).
* Created **JSON** based **Azure Resource Manager (ARM)** templates, Used them for deployments
* Worked on the Web Browser and Windows-based applications.
* Experience in handling various backend data sources like **MS SQL Server** **2012,2018 MS Access,** and **XML Data source.**
* Experience with **RESTful** **APIs**, Design patterns **(MVC5(RAZOR), MVP, MVVM)** code-first initial developments, **Telerik**, **MVC5** controls, Ajax controls, **VBScript**, and **V Basic**.
* Worked with **SQL** reporting services using Microsoft SQL Server Management Studio and worked on creating complex write SQL reports, Relational database systems like MySQL, **MSSQL, PL/SQL, Oracle, DB2, SQL Server,** and **NoSQL** database systems like **Redis**, **PostgreSQL, and MongoDB.**
* Extensively worked with Version Control Systems like **CVS**, **SVN** & **GIT**.
* Hands-on experience in using brokers such as **ActiveMQ** and **RabbitMQ**
* Creating applications using **C#.NET** and enhancing projects for **.NET applications.**
* Experience in **MVVM** and **XAML** concepts and **UWP** applications.
* Involved in **Relational DBs diagram designs** and Table designs in **SQL** server.
* Expertise in writing **Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers,** and **User Defined Functions**.
* Expertise in developing **User Controls** and **Custom Controls using C#**.
* Experience in Translating visual and written designs into efficient **back-end libraries and Front-end Components**
* Problem-solving issues that arise in **day to day** running of automation processes and providing timely responses and solutions as required.

# **CERTIFICATIONS**

* Microsoft Azure Data Fundamentals **DP-900**
* Developing Solutions for Microsoft Azure **AZ-204**
* AWS Certified Cloud Practitioner

# **TECHNICAL SKILLS**

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| --- | --- |
| **Programming Languages** | C#.Net, ASP.Net |
| **.Net Framework** | .Net Framework 4.0,4.6,5,6, .Net core 2/3 |
| **Scripting language** | HTML, CSS, AJAX, XML, JavaScript, jQuery, Knockout js, Angular js, Angular 6,7,9,10,11,12, Pixie |
| **Web Analytics** | Adobe Analytics, Figma, Ad hoc Analysis (Discover), Adobe Report Builder, Adobe Target, Adobe Audience Manager |
| **Databases** | SQL Server 2016/2012/2008, Mongos DB, Cosmos DB, Azure Blob storage, Redis, kafka |
| **Technologies** | ASP.NET, ASP Net MVC, HTML, CSS3, AJAX, WCF, PowerShell. |
| **Web Servers** | IIS 5.0/6.0/7.0 |
| **Reporting Tools** | SQL Server Reporting Services 2005/2008, Azure Synapse Analytics, DB2/400 Database |
| **Distributed Technologies** | Web Services, Web API, Cloud, AWS, Azure, Terraform |
| **Version Controls** | SourceTree, Git, TFS |
| **Operating Systems** | Windows 2008/a2003/2000/NT/XP/2000 Prof, Vista, UNIX,  Windows8, Windows 10, Windows Server 2008, Windows  Server 2012, Windows Server 2016, IIS7.O |
| **Software Engineering** | Agile, waterfall |
| **Cloud** | Microsoft Azure, Amazon AWS |
| **IDE** | Visual Studio.NET 2013,2015/2017/2019/2022, Visual studio Code, Dev express, SSMS |

## **PROFESSIONAL EXPERIENCE**

**Client: Unison May 20 - Till Date**

**Sr. Full Stack .Net Developer/React JS Developer**

**Location: Dulles, VA**

**Responsibilities:**

* Involved in the **SDLC** phase of requirement analysis, design, and development of the web-based intranet application tool using **ASP.Net MVC**, **Web API**, and **C#.**
* Implemented **Spring boot microservices** to process the messages into the **Kafka Cluster Setup.**
* Closely worked with the **Kafka** Admin team to Set up Kafka Cluster setup on the QA and Production environment
* Implemented to reprocess the failure messages in **Kafka** using offset id.
* Production support for all DB2 related applications on 24/7 basis.
* Provided a full range of **Production and supported databases** as well as custom developed.
* **Designed** Implemented and supported **databases** as well as Custom developed.
* **Database** Performance monitoring, tuning, and capacity planning.
* Object/ Data Migration from one **DB2** subsystem to another.
* Validate the date created in **AS400** using **Microsoft Access.**
* Experienced Data base and **AS400** Software tester.
* Conducted **AS400** and **SAP EWM** training sessions for new joiners.
* Defined automate the process for deployments.
* Deployed **3-tier** architecture infrastructure on **AWS** cloud using **Terraform**- Iac.
* Migrated IAC base from **Terraform** 0-11 to 0.12.x latest version.
* Implemented **Azure** services for **Project** **management** tasks, **Source** **code** repository, **Continuous** **Integration**, and **Deployment**.
* Deploying **Web** **Apps**, Creating **Web**-**jobs** and configuring cloud platforms (**Azure** **SQL**, Service bus, and Client Services).
* Enabled **Open** **ID** and Windows Live authentications in **Azure** **cloud** **Apps**.
* Implemented **Redux** **Saga** with actions and reducers to implement sync **API** calls.
* Made use of **Redux** **Saga** middleware to access the **Redux** application state and dispatched redux actions.
* Worked designing, developing, and testing the web application using **HTML5**, **CSS3**, **SASS**, **LESS**, **Bootstrap**, and **React**. **JS**.
* Worked on designing the **CSS** templates for use on all pages on the website working with CSS Background, positioning, text, border, margin, padding, and table.
* Skilled in leading frameworks such as **React**.**js** to build high-quality, scalable, and reusable components and Front-end solutions.
* Developed user interface by using the **React** **HOC**, **Flux**/**Redux** for **SPA** development.
* Used **React** Observables to create custom components for data manipulations and to display data in company standard format.
* Developing completed web applications from the user interface to the database interaction.
* Developing web applications using message services between applications for data transfer and active communication within multiple applications.
* Effectively used **ASP**.**NET** **MVC** features like **View** **Bag** to pass data from controller to view, partial views.
* Developed **dynamic** **interfaces** with a **Visual** **Design** using **Figma** and other prototyping tools that work across multiple browser types.
* Designed the **Continuous** **Integration** and **Continuous** **Deployment** using the Ansible roles which are custom to Confidential.
* Setting up the cloud resources like resource groups, hybrid connections, **VMs**, **ASP** Services, **Azure** functions, **Azure** logic apps using mark logic, storage accounts (**Blobs** **containers**, **queues**, **storage** **tables**, and **file** **shares**), **SQL** **Azure** **databases**, and **Key** **Vaults**.
* Migrated On-prem applications to **PAAS**.
* Worked on consuming different **APIs** from vendors to extract data into our applications.
* Experience in **Azure** **B2B** services and network whitelisting for providing access and maintaining security for **3rd** party vendors to our applications.
* Developed entity **framework** code first – database existing hybrid solution with **integrations** to Microsoft **Azure** **Raven** **DB** **Backend**
* Developed backup and recovery engine for vSphere APIs and RabbitMQ message bus (communication interface).
* Using **ADO**.**NET** for loading the **Database** from **SQL** **Server**.
* Worked on **AJAX** controls for extended functionality and configured **REST** using Microsoft**.NET**.
* Implemented Client-side validations using **jQuery**, **Angular** **JS**, and server-side validation using **ASP**.**NET** Controls.
* Created **Pixie**-**Net** **API** using **C** libraries for Web applications, Setup **FPGA** to Read and Write configuration files.
* Used Flask for the Rest interface and wrote scripting on **Pixie-VM** using **Async**, **Buffers**, Channels on **Arch** platform.
* Working on Front-end technologies like **CSS**, **HTML**, **JavaScript**, **Angular** **9**, **Typescript**, and **jQuery** to make **AJAX** calls to retrieve data from **Rest** **Services**.
* Created forms to collect and validate data from the user in **HTML** and **Angular** **11**.
* Made **C# code** changes to address the issues in product maintenance as part of a production support team.
* Write and build .**Net** **API** to modify **Salesforce** **Objects** using salesforce **Rest** **API**.
* Developed **ASP**.**NET** Web **API** services to return **JSON** and **XAML** Format.
* Developed **Web** **APIs** Consuming Third-party Web Services and **REST**, **WPF**, and **WCF** Services.
* Design enterprise applications using **Angular**, **jQuery**, **C#.NET** - **REST** web services/**WebAPI**.
* Expertise in **Azure** infrastructure management (**Azure Web Roles**, **Worker Roles**, **SQL Azure**, **Azure Storage**, **Azure** **AD** Licenses).
* Support **Data** **Migration** from **Siebel** to the **Salesforce** database and process integration (**Sync** and **Async**) on other platforms using **SOAP** and **REST** web services and enterprise tools.
* Analyze user requirements as well as product **architecture**/**design** to derive testing performance, scalability, and durability testing.
* Involved in writing queries and stored procedures in **MS-SQL** server as a backend.
* Working on creating forms with **MVC** controllers using Client-side validation and partial **MVC** views.
* Created **GraphQL** endpoint for serving navigation service
* Worked on **KENDO** **UI** controls like grids, and list view and fix the bugs pertaining to various browsers.
* Participated in the **Agile** methodologies, daily **scrum,** and other **sprint** meetings; developed and prioritized product backlogs and the sprint burnt-down charts, etc. to meet the daily deliverables and timelines.

**Environment**: C# .NET 6, Visual Studio 2022, Dev Express, Rabbit MQ, MS SQL Server 2018, IIS 7.0, Web API, LINQ, EC2, Microsoft Azure, Kendo UI, Figma, Confidential Services, GIT, XML, Bootstrap UI, Entity Framework, HTML5, CSS3, Oracle12c, IIS 7.0, XML, LINQ, JQuery, WCF, Nunit, WPF, Logview, AJAX, JavaScript, Web API, SSIS, SSRS, GitHub, Jenkins, Octopus, Crystal Reports, GIT, VSTS 2008, IRIS, Dynatrace.

**Client: Dell July 18 to Apr 20**

**Full Stack .Net Developer/ React JS Developer**

**Location: Round Rock, TX**

**Responsibilities:**

* Extensively Involved in the Planning, Analysis, Design, Development, Testing, and Maintenance phases of **SDLC**
* Involved in the **AGILE** software development process, using **SCRUM** methodology, attended pre-planning and planning meetings to prioritize work, and provided demos to the team in review meetings.
* Developed Web **API** using .**NET Core 3.0** and later framework based on requirements and specifications.
* Extensively worked with Entity **Framework 5.0** for Object Relational Mapping **ORM** in .NET Framework, EF Power core tools, and **LINQ** to **Object**, **LINQ** to **SQL**, and **LINQ** to **XML**.
* Responsible for Developing Webpages using **JavaScript, jQuery, HTML5, CSS3, AJAX, JSON** and **C#** in asp.net MVC application.
* Deploying windows **Kubernetes** (**K8s**) cluster with **Azure** Container Service (**ACS**) from **Azure CLI** and Utilized **Kubernetes** and **Docker** for the runtime environment of the CI/CD system to build, test, and **Octopus** **Deploy**.
* Worked on creating **Azure Blob** for storing unstructured data in the cloud as blobs.
* Involved and migrated applications from the **TFS** server to the **Bit** **bucket**, **Pipeline** **testing**
* Created test cases using the **xUnit** framework for code coverage and Tested Api’s using Swagger and Postman.
* Worked on Advanced **C#, .NET Framework 4.5** or later & Multithreading.
* Extensively worked on creating Database Objects like **Tables, Indexes, Views,** Complex stored procedures, **Functions,** and **Triggers**.
* Extensively Worked on windows-based applications using **VB.NET and on Legacy vb.net projects to fix bugs and** add new features.
* Working with **ReactJS** Router for developing **Single** **Page** **Applications** **SPAs**
* **ADO.NET** was used to connect to the databases in a disconnected-oriented architecture.
* Created event-driven Web Forms using **ASP.NET** and implemented form validation.
* Extensively used Grid view control throughout the application.
* Implemented client-side interface using **ReactJS**
* Created CSS files to be applied to various web forms on the web pages.
* Have experience in a cloud platform like **Azure**.
* Working with **Azure** **CosmosDB** as the data store for faster performance.
* Developed Email notification component using **React**/**Fetch**/**GraphQL**/**Stylus**
* Used PowerShell for **DevOps** in windows-based systems.
* Extensively used Ajax to reduce connections to the server, since scripts and style sheets only have to be requested once.
* Used **Razor** **MVC** framework to develop razor views with strongly typed view models, helpers, and partial views
* Used Html Helper methods to populate View Bag data to the razor views.
* Developed **HTML** views using **Razor engine**.
* Designing and working on **UI** using **Bootstrap** and **ReactJS**.
* Working with **SQL** Server using **Views, Stored Procedures, Tables** etc.
* Using Validation controls using both Custom validation and **JavaScript** was written for Client-side validations and used the new validation controls in **Visual Studio Enterprise**.
* Developed extensive Stored Procedures and Triggers in **SQL** **Server 2008**.
* Involved in Unit Testing and Integration Testing of the entire application.
* Implemented version controlling using Visual Source Safe.

**Environment**: Visual Studio 2019, C#, VB .Net, .Net Core 3.5 and later, SQL Server 2012, CosmosDB, xUnit Framework, Entity Framework 5.0, JIRA, Git, Swagger, Postman, Jenkins, Confluence, Crystal Reports, Service Now.

**Client: Thermo Fisher Scientific, Nov 17 to July 18**

**Full Stack .Net Developer**

**Location: Pittsburgh, PA**

**Responsibilities**

* Implemented the **AGILE** software development process, using **SCRUM** methodology, Kanban Board
* Responsible for designing the **UI** screens using **WPF** application authentication using .**NET** Framework, Model View Controller **MVC,** and **IIS 7.0** security model.
* Developed proof of concept for **PROD** Demo’s by designing applications.
* Responsible for Designing and Developing the **Reusable UI** Components Like MVC Master Pages “Layouts and Nested Layouts”, “View Start” and MVC User Controls “Partial Views”.
* Developed the UI layout and front-end programming for a web application that matched requirements using handwritten **HTML5**.
* Developing windows applications using **C#.Net**, **WPF**, Visual Studio 2015, and Oracle11g Exadata.
* Designing **WPF** Forms, Dev Express Custom Controls, and User Controls using **XAML** language for interactive UI.
* Developed localization **API** s which stores the translated data in **Azure** and **SQL** tables Deploy Confidential services on **Azure cloud**
* Used **LINQ** to **XML**, **LINQ** to **SQL**, and **LINQ** to Objects for retrieving the data efficiently.
* Write stored procedures, Triggers in the oracle database.
* Developed an abstraction layer to interact with credit rating agencies using **XML** web services to provide a uniform interface to the presentation layer and used **XSLT** to translate one document to another in a different format.
* Used Angular in combination with Knockout JS for enhancing the **UI** of the **iTrace** application to make the application user-friendly.
* Implemented **AJAX** functionality using Angular JS to load contents individually in different partial views to minimize loading time and for a better user experience.
* Implement data grid/tables using **Bootstrap** and **Angular JS** for front-end client facing of the Single Page Application (**SPA**).
* Implemented the Entity Framework Code First Approach to interact with the Database and implemented the
* Mappings, Model Changes, **CRUD** operations and dealt with performance issues.
* Used **JSON** (JavaScript Object Notation) format to serializing and transferring of data.
* Create **RESTFUL** Web **API** services to send and receive web service messages and converted the **JSON** format data to **XML**.
* Written **T-SQL** queries, Stored Procedures, Cursors, and triggers to handle the business rules data integrity and for various data transactions and generating reports.
* Unit tested various components of the program to make sure all the components were behaving properly.
* Used **SVN** for Version Control and Team Build.
* Used **Jenkins** for synching branch code of SVN into Clear case.
* Used **NDepend** and **NCover** code coverage tools for testing unit test cases and generating code coverage

**Environment**: VisualStudio2015, C#, .NET 4.5, ASP.NET MVC 4.0/5.0, WPF, DEVExpress ASP.NET Web API 1.x/2.x (REST API), AngularJS, ADO.NET Entity Framework (Code First) 4.3/6.0, LINQ, HTML5, CSS3, JSON, Bootstrap3, SQL Server 2012, T-SQL, Oracle11g Exadata, MS Test, NUNIT TestNDepend, Ncover, Jenkins, Oracle 11g, SVN, Clear Case, IIS 7.0, and Windows Server 2008 R2.

**Client: State of GA: Department of Agriculture Jan 15 to Oct 17**

**Full Stack .Net Developer**

**Location: Atlanta, GA**

**Responsibilities**

* Designed UI using **HTML 5.0**, JavaScript, **CSS, SASS, LESS**, Kendo UI, **Angular JS**, **Bootstrap**
* Good exposure/experience in **Angular JS** for building single-page application (SPA) dynamic web page development.
* Used Bootstrap framework to create Responsive web applications which automatically adjust themselves to good look on all devices
* Utilized Angular JS to create dynamic data-driven web pages.
* Created Stored Procedures/ Functions in SQL Server using **T-SQL**.
* Performed Unit Testing and wrote unit tests using **Moq** as a mocking framework.
* Used **JIRA** to keep track of outstanding bugs to reduce downtime, increase productivity, and improve communication.
* Developed customized client-specific monthly fund reports using **SSRS (SQL server reporting service)**
* Used **SSIS** (SQL Server Integration Services) to load data in application from MS excel or tab delimited text files.
* Used Microsoft Entity Framework Code First approach for the Data Access Layer for the ASP.NETMVC.
* Worked with **XML, XML** generation using object model, XML schemas
* Created and deployed XML Web Services (Confidential) using ASP.Net and C#, used them to generate the proxy class files based on the web services and consumed in web application.
* Worked on .**NET** Security features such as Authentication & Authorization, Forms-based Authentication, Authorizing Users, Roles, and User Account Impersonation.
* Used Confidential service for retrieving the data from other enterprise applications.
* Worked with various Confidential Services built for Data Management, Security, and Communication within the application
* Involved in Implementing Service Oriented Architecture (**SOA**) and used Confidential and **REST** services to expose business logic as services and consumed those services.
* Implemented enhancement features for **DSPM** System in **ASP.NET 3.5** (C#) and Windows application.
* Involved in creating **WINFORMS** for in-house Windows applications using C#.

**Environment**: NET core ASP.NET, Visual Studio 2017, Web API, HTML, Angular JS, C#.NET, SQL, SQL Server 2008, CSS, Ajax.  
  
**EDUCATION**

Bachelors in information technology (BSIT) from South University, USA