Saasha ****

347 875 0380

technocrat1008@outlook.com

**Summary**

* 23+ years of strong professional work experience in IT Consulting which includes **Cloud** **Architecture (Azure & AWS)**, **DevOps**, **Web & GUI Development, Design, Testing** and **Maintenance** of Software applications using Microsoft Technologies and Java.
* Proven record of delivering high quality software and providing solutions.
* Designed and Developed Hybrid Cloud Distributed applications leveraging **Microservices**, **REST APIs**, API Gateways
* Performed multiple roles like Software Architect (Application & DB), Technical Architect and Technical Lead
* Worked on High end projects for full life cycle (requirement gathering, study, analysis, estimations, design, solutioning, coding & development, testing, deployment, and implementation).
* Expert in **object-oriented architecture**, web development, designing prototypes, ETL Architectures
* Implemented best practices for coding and database standards to maximize performance and functionality.
* Worked closely with hosting facilities to determine infrastructure needs for current and future demands.
* .NET development, designing and delivering solutions to web portals on Azure Cloud & On premises
* Experience with .NET Content Management Systems (CMS). Programmed, developed, and maintained several web-based e-commerce applications. Developed components and web services, applications using **.Net Framework 4.5**
* Good exposure in .Net Framework 4.5 with Entity Framework providing the Encapsulation for Entities and CRUD for UI using several GRID Controls, Kendo UI
* relational and NoSQL databases, Azure Table Storage, Blob Storage, Queue, Document DB
* Worked extensively on Database Objects: Stored Procedures, Views, Inner, Outer joins, Unions, Recursive queries and Query Optimization. Experience dealing with huge data, millions of records
* Strong designing skills using Software Design Patterns and implementing Security Fundamentals (OWASP Top 10)
* Strong Object Oriented (OOPS) programming skills extensively used
* C# to develop the middle tier of the applications. SOLID Principles of OOPS Concepts were implemented
* Worked with Mobile Application Development, REST, service-oriented architecture (SOA) & cloud services
* Experience working in Agile/ SCRUM environment, executing Sprints, Implemented Test Driven Development (TDD)
* Good project management skills, operating as part of a team organizing, planning, and executing projects
* Worked with different geographical teams playing onsite offshore Manager to transfer the workload to offshore
* Offer strong understanding in Algorithms and Data Structures
* Provide best practices in Cyber Security and Governance

**STRENGTHS**

1. Excellent attitude towards learning new technology. Competent to work at highest technical level.
2. Good problem-solving, strong conceptual and analytical skills.
3. Excellent organizational and troubleshooting skills
4. Excellent team player with strong verbal and written communications skills
5. Ability to express and present complex technical concepts in simple language
6. Possess strong interpersonal skills and Professional ethics
7. Self-motivated, fast learner, productive and can work with limited guidance
8. Proven ability to excel in a high-pressure team environment
9. Self-starter that enjoys taking pride to work and have passion for engineering quality

**Education:**

* B.E (Bachelor of Engineering), OU, First Division
* ADV. Object Oriented Programming: Northlake College, Dallas, Texas
* ADV. **Java** **Programming**: Northlake College, Dallas, Texas

**Microsoft Certifications**

* Microsoft Certified Professional (MCP): Visual Basic
* Microsoft **.Net Framework** 2.0 - Web-based Client Development: 70-528

**Brain Bench Certifications:**

1. VB 5. ASP,
2. **HTML** 4.0 6. **ASP.NET**
3. VBScript 7. **SQL** Server
4. **Java script** 8. RDBMS

**Awards:**

* Appreciation by Client in USA for Technical skills and Communication in Dallas Business Journal in USA

****

**Trainings:**

**Java**: IntelliSoft, Dallas, TX

**Oracle**: CMC

**LinkedIn**:

* Certificate of Completion: Azure Event Grid
* Certificate of Completion: Azure for Architects Design a Networking Strategy
* Certificate of Completion: Cloud Architecture Advanced Concepts
* Certificate of Completion: Kubernetes Cloud Native Ecosystem
* Certificate of Completion: Microservices and Azure Service Fabric Basics for Developers
* Certificate of Completion: Microsoft Azure Architecting Azure Infrastructure
* Certificate of Completion: Succeeding in DevOps

**PluralSight:**

* Certificate Of Completion Continuous Delivery and DevOps with Azure DevOps
* Certificate Of Completion Designing a Monitoring Strategy for the Microsoft Azure Data Platform
* Certificate Of Completion Identifying Roles and Responsibilities in Microsoft Azure
* Certificate Of Completion Planning and Installing Chef

**Technical Skills:**

|  |  |
| --- | --- |
| **Core Skills** | Hands On, End to End Contribution, Leadership roles, Mentoring, |
| **Cloud Technology** | Microsoft Azure, AWS, GCP, OCI |
| **Microsoft Azure** | BLOB Storage, App Services, Key Vault, Recovery Services Vault, Azure Virtual Machines, VMSS, Azure Data Lake (ADLS Gen 2), Azure Data Factory, Azure Data Bricks, CDN, AKAMAI, **IAAS**, SAAS, PAAS, DbAAS, Functions as a Service, Azure Kubernetes Service (AKS), DockerContainer, Azure Registry Services (ARS), MLOps, AI |
| **Azure Databases** | Azure SQL, CosmosDB, MongoDB, Document DB |
| **AWS** | AWS Lambda, SNS, S3 Buckets, Cloud Watch, Codebuilds |
| **GCP** | GCP, Google BigQuery, SQL Python BigQuery |
| **Web Technologies** | **.Net Core, ASP.NET** 4.5/VB.NET, C# ,**HTML** 5.0, AJAX, CSS,BootStrap, SignalR, MVC, Razor Engine, D**HTML**, X**HTML**,**XML**,**XSLT**, JQuery, ADO.Net, WCF, Node.js, React.js, Web Services, MSMQ, Kafka, Rest **S**ervices, SOAP, MultiThreading, LINQ , LINQ-To-**SQL** ,Entity Framework, ORM, Dapper, Lambda Expression, Web API, Automatic,Dependency Injection using Unity, Spring Boot, Java, JSP (Java Server Pages), IOCFramework, Windows Services, WPF, Silverlight, REST Services,IOT, diagnostic tool, Angular 12, Win Forms, Remoting, JSON, OData, WebAPI, Java Script , JQuery, WPF, IOT, WCF, Rest Ful Services, Message Hubs, Service Bus, Kafka |
| **Networking** | Firewall, WAF, Palo Alto, Network Security Groups (NSG), VNet, Subnet, IP Addresses |
| **Scripting Languages** | PowerShell, BOSH, BASH, JavaScript, Terraform, ARM Templates, VBScript |
| **Design Patterns** | Singleton, Factory, Façade, Repository, Dependency injection |
| **Monitoring Tools** | Splunk, Dynatrace, Azure App Insights, Log Analytics, Azure Monitor |
| **Reporting tools** | PowerBI (Desktop and Embedded), Seagate Crystal reports, **SQL** Server Reporting Services (SSRS) |
| **Databases RDBMS & Data Sources** | SQL Server 2019, PLSQL, MS Access, **T-SQL , Oracle** |
| **Security Tools** | Verracode, SAST: Fortify, Black Duck; DAST: Qualys |
| **Testing Tools** | Microsoft Test Manager (MTM), NUnit |
| **Tools & Utilities** | **Visual Studio** 2019, Visual Studio Code, **SQL** Server Integration Services(SSIS), Azure DevOps, Terraform, .Net Core, Jenkins, Pivotal Cloud Foundary (PCF), Azure Storage Explorer, Azure Service Bus Explorer, Data Analytics Explorer, SSMS |
| **Operating Systems** | Windows 10, Windows XP, Linux, Ubuntu, Tanzu (VMWare) |
| **Version Control Tools** | Visual Source Safe, Clear case environment, CollabNet, Team Foundation Server (**TFS)** , Subversion(SVN), Git, VSO(Visual Studio Online), Visual Studio Team Services (VSTS), GitLab, GitHub |
| **Bug Tracking Tools** | JIRA, VSO (Visual Studio Online), ADO |
| **Servers** | IIS, TomCat |
| **Domain Knowledge** | Capital Markets, Equities, ETFs, Futures, Options, Banking & Finance, eCommerce, Insurance, QNXT, Insurance/ Reinsurance, Retail, Transport, Telecommunications, HealthCare, Government (State & Federal) |

**Professional Experience**

***F Tek Inc. Azure Solutions Architect/ Cloud Solutions Architect Dallas, TX Sept 2016 to Present***

**Responsibilities**

Working for Fortune 500 Clients in Banking, Finance, Tax, Health Care, Insurance and Government (State & Federal)

* Client Facing role, part of Large Enterprise Architecture Group
* Provide robust and scalable technology solutions to enable customers to scale their operations into cloud
* Participated in Data Center migration to the cloud, migrating servers to the cloud
* Prescribe efficient & least cost approach when migrating and modernizing into a cloud solution
* Worked on migrating the On-premise workloads to the cloud (ALM, Application Lifecycle Management)
* POC (Proof of Concept) development, prototypes (Azure App Service Model)
* Implemented Object Oriented Programming concepts and Design patterns, Angular 12 for UI
* Used Terraform for Infrastructure as Code (create, modify and maintain infrastructure)
* Azure IAC deployments using Terraform, Boomi Integration platform
* Administrator for IAM, RBAC, Conditional Access Policies,Azure Active Directory and Azure portal
* Docker Containers and Azure Kubernetes Services (AKS) Microservices Architecture used extensively
* Installed Certificates on the web URLS in all environments,Managed Azure Service Principals
* Kendo UI and Telerik controls were used for great user experience in User Interface
* Implemented monitoring in Applications and Infrastructure using App Insights and Log Analytics
* Implemented email security standards such as DKIM, SPF and DMARC
* Set up a CI/CD pipeline for Helm Charts using the OCI DevOps service
* Configured NSG (Network Security Groups), subnets, Palo Alto Firewalls, Plugins
* Worked with Next-generation secure email gateway infrastructure, Oracle IAM
* Worked with Snowflake and implementing ETL Architecture
* Developed Web API and deployed to Azure using Azure API Management Service tool (APIM)
* Worked with Azure Automation including Azure runbooks, Automation was implemented for several tasks
* Docker containers were being used for OS level virtualization to deliver apps in packages called containers
* Azure Kubernetes Services (AKS) used to deploy apps (**Java** & .**Net** based) following **Microservices** architecture
* Worked with Python and Middleware, Machine Learning (MLOps), AI
* Have been the Administrator on Windows Active Directory and Azure Active Directory
* Perform Monthly Security Patching on Windows and Linux servers in Azure
* Install McAfee Agents on Windows and Linux servers in Azure
* ADLS Gen2 (Big Data Persistence & Retrieval using Delta Lake), Python was heavily used
* Transformed Database applications to Next Generation Google Cloud native platforms using GCP Scripting
* Heavily engaging with Cloud Providers regularly
* Provided Cost Estimates for Azure resources and Best Practices in **Security** and **Governance**
* Participated in giving Demos of Software Products
* Generated Access keys to authorize access to Storage
* Participate in Troubleshooting issues while migrating the API’s from on premises to Azure
* Developed Disaster Recovery environment, Azure Site Recovery, Azure Synapse Analytics
* Implemented CI/CD DevOps Architecture, Creating Pipelines (Continuous integration and Deployment pipelines)
* Validating pipelines and end to end execution, and bug fixing
* Added Chatbot, Azure Q n A service, Azure cognitive search and Text Analytics
* Providing Architectural Solutions in the migration projects to Azure Cloud
* Azure Data Factory V2(ETL, ELT and Data Integration), Plugins, MLOps, AI, Azure Chatbot Framework Services
* Azure Data Bricks (Clusters for running jobs, Alerting and Monitoring, Autoscaling of instance storage)
* Provisioning Azure Virtual Machines using ARM templates (Windows and Linux)
* Snapshots of Virtual Machines in Azure, Backups for Azure Virtual Machines using Recovery Services Vaults
* Worked with Next-generation secure email gateway infrastructure
* Implemented email security standards such as DKIM, SPF and DMARC
* Actively participated in the SAST (Static Application Security Tests) and
* DAST (Dynamic Application Security Tests) scans of Applications hosted in Azure
* Worked on SAST scans which include Fortify and Black Duck scans (Code Repository)
* Worked on DAST scans which are run on the Qualys scans (Deployed Code)
* Writing PowerShell Scripts, Worked with docker containers and Paas services, Middleware
* Worked with Load Balancers, Firewalls, Whitelisting of URLs, Azure Networking, DNS
* Configured App Insights, Log Analytics for monitoring the Applications and Infrastructure
* Implement Security Best Practices and update to Governance team
* Created & set up source repository, users and other setup required for different environments, workloads
* Communicated with the client for gathering requirements and worked on Technical Assessment
* Translated User Stories to Technical Specifications document and provided estimations
* Providing complex technical solutions to Developers, including QNXT
* Lead a team of around 10 developers in Onsite/Offshore model, Worked in Azure pre sales
* MVC, MVVM patterns were used in the projects, Worked on Azure Video Indexer POC
* Generated Application Insights performance reports used Angular (UI)
* Involved in Database Design and Data Dictionaries, PLSQL
* Worked with Bootstrap for the UI, Performance Optimization of Videos website
* Application Penetration testing and Security Analysis, Boomi Integration platform
* Video files were uploaded to Azure Blob storage, Telerik controls and Kendo UI were used, Angular 11
* Defining Branching strategy for the source repository
* Migrated applications using Oracle Cloud Infrastructure (OCI)
* Work to plan and develop Automation templates and scripts
* Migrated websites hosted on Sharepoint to IIS, Worked with SnowFlake and ETL Architecture
* Worked on web applications and SQL Server databases hosted on Azure Virtual Machines
* Several Azure functions were written and used, Microservices (Spring Boot) were also being used
* Communicated with the clients for gathering requirements and created Business requirements document
* Translated BRD to Functional Specifications document and Technical Specifications document
* Worked on SSRS and SSIS packages. ,Net Core was used to build API’s involving Swagger
* Hosted web applications on Azure Web Sites, migrated databases from SQL Server to Azure SQL Server
* Worked on ARM templates and Azure Functions, Python, PLSQL, OCI Migrations
* Hosted databases on SQL Server in Azure Virtual Machines, Azure SQL
* Utilized SkyPlug to allocate and de-allocate the Virtual Machines to save costs
* Worked on applications in which SendGrid was used to send emails from Azure
* GitHub and GIT was used for Version Control, using Visual Studio Team Services
* BLOB Storage was used to store large Images and PDF’s, Redis Cache in Azure was used for caching
* Azure Active Directory authentication was implemented in existing applications
* Configuring Azure web apps, App services, Application insights, Gateways, DNS, Traffic manager
* Managed Azure portals, Estimated Azure pricing, Provided Security Best practices to secure the environment
* Utilized Azure Computing, Azure storage components (Blob Storage, Table Storage, Queue Storage, File Storage)
* Worked extensively on Serverless (Azure functions, Durable functions); Oracle Cloud Infrastructure (OCI)
* Implemented email security standards such as DKIM, SPF and DMARC
* Worked with Azure Integration Services : Service Bus and Event Hub ( Service Bus Explorer)
* Azure API Management was used to maintain API on cloud, Boomi Integration platform
* SiteCore CMS (Content Management System) was utilized
* Docker containers was used for deploying Microservices on Host Servers
* AKS (Azure Kubernetes Services) was utilized for Orchestration of containers on host servers
* Azure DevOps was used for Continuous Integration and Continuous Deployment (DevOps best practices)

|  |  |
| --- | --- |
| **Environment** | Lab, Dev, Test, UAT, Pre PROD, PROD, DR (Disaster Recovery) |
| **Cloud Technologies** | Azure Cloud: Azure Virtual Machines (Windows and Linux), Azure DevOps, Azure Data Factory, Azure Data Bricks, Azure SQL DW (Data Warehouse), Azure Synapse Analytics, Azure Power BI, Azure Site Recovery, Azure Data Lake, Blob Servcie, Oracle Cloud Infrastructure (OCI) |
| **Web Technologies** | .Net 4.5, .Net Core, Spring Boot, Java, Python, Swagger, Rest API, SSIS, SSRS  SiteCore CMS, EPiServer CMS, Angular, .Net Core, .Net, Node.js, React.js, Angular (UI), Spring **Boot**, **Java** |
| **Scripting Languages** | Terraform, JavaScript, ARM Templates |
| **Monitoring** | Application monitoring using AppInsights,Infrastructure monitoring using Log Analytics, Azure Monitor, Dynatrace, Splunk |
| **Databases** | SQl Server 2019/ SQL Server 2016, Azure: CosmosDB, Azure SQL, PLSQL, SQL Managed Instance |
| **Monitoring Tools** | Azure: App Insights, Log Analytics, Azure Monitor; Dynatrace, Splunk |
| **Version Control Tools** | GitLab, GitHub |
| **Hosting Servers** | IIS, TomCat |

***Microsoft******Azure Architect Seattle****, WA* ***(****Dec 2015 – Aug 2016)*

Involved in Campaign Management Project related to all Microsoft products.

**Responsibilities**

* Worked on Web applications and Windows applications, hosted Windows applications on Windows services
* Involved in Data Center migration to the Cloud and servers to the cloud and maintaining
* Worked with Azure Authentication / Authorization schemes
* AngularJS and JQuery was used to develop web application (Proof of Concepts)
* Model View Controller was the architectural pattern used in application
* Visual Studio Online was used to track Epics, Features and Product Backlog Items with various tasks
* Assigning tasks to the team was taken care and Estimations of the tasks was calculated
* Worked with Creating Data Flows using ADF UI
* Terraform was used for Infrastructure deployment in all environments
* Team Foundation Server was used for Version Control
* Microsoft Test Management Tool was used to test the applications
* Part of the data existed in SQL Server on premises
* Kendo UI, Telerik controls were used in User Interface
* Azure SQL, Azure BLOB was used for Data Storage
* Azure Service Bus Topics, Queues and subscriptions were utilized
* Utilized OOPs concepts and implemented SOLID principles
* Attended Architectural session with business stakeholders
* Provided Technical solutions to existing applications, Model View Controller Architectural patterns
* Agile SDLC methodologies were used in Client deliveries
* Mentored Junior Software Engineers and assisted in Code Reviews and provided software solutions
* Emails in applications were being sent using SMTP in IIS, SendGrid in Azure
* Windows applications were packaged as MSI installers and hosted on Windows servers
* Existing applications were Deployed to Azure after every enhancement
* Hosted meetings with various stakeholders to remove gaps
* Lead a team of more than 10 which included developers and testers
* Participated in Deployments of Software products in Production environments
* Provided regular status updates to all stakeholders via PowerPoint presentations
* Responsible for overall Technical Infrastructure management
* Maintain and develop the in-house applications and interfaces
* Participate in the architecture and development of complex projects
* Participate for quality coding and best practices and Eliminate roadblocks
* Collaborate with business and technical teams to implement technical requirements
* Presents technical issues and their impact to stakeholders
* Used AngularJS in Single Page Applications (SPA) and Consumed Web API from AngularJS
* Utilized AngularJS directives, Controller, factory, Scope, filters and Services
* Ability to describe technical requirements and implementation details based on business requirements
* Working in Agile Methodology, being part of daily Scrum meetings
* Ability to thrive in a dynamic, collaborative and fast paced environment.
* Strong interpersonal skills as well as strong problem-solving and analytical skills.
* Deliver and uphold technical documentations for all developed objectives and processes.
* Use TFS, GitHub to track all end to end changes and artifacts, able to follow change control process (CAB)
* Develop and run test scripts to guarantee the quality of code and reliability, implemented OOPS concepts
* Test against acceptance standards based on requirements
* Follow UI Guidelines, data/ integration design patterns and architecture as suggested by the Lead/Architect
* Assist in mandatory analysis and Web User Interface (Mock up) walkthroughs
* Support team lead in estimation process
* Experience in configuring Azure web apps, App services, Application insights, Gateways, DNS, Traffic manager
* Azure Cloud Services, Web Role development
* Coach/mentor junior staff, perform peer reviews
* Support and uphold integration between the Data warehouse and SharePoint Document Management System using WCF/Service Broker
* SharePoint based workflow solution support and development
* SQL Server database objects and code for Support and Implemented Code Refactoring
* Follow policies, procedures, controls and processes for the development and testing life-cycle
* Implemented Test Driven Development (TDD) in Model View Controller architecture
* Agile, Scrum based DevOps methodology
* Internet Of Things (IOT) based solution Design and Development
* Using Service Bus Queues for communication in multi-tier Azure application
* Responsible for writing Technical Systems Design (TSD) document and reviewing all project artifacts including requirements (SRA), functional specifications (SDS), process narratives, and coding standards

|  |  |
| --- | --- |
| **Environment** | Lab, Dev, Test, UAT, Pre PROD, PROD, DR (Disaster Recovery) |
| **Cloud Technologies** | Azure Cloud: Azure Virtual Machines (Windows and Linux), Azure DevOps, Azure Data Factory, Azure Data Bricks, Azure SQL DW (Data Warehouse), Azure Synapse Analytics, Azure Power BI, Azure Site Recovery, Azure Data Lake, Blob Servcie, Oracle Cloud Infrastructure (OCI) |
| **Web Technologies** | .Net 4.5, .Net Core, Spring Boot, Java, Python, Swagger, Rest API, SSIS, SSRS  SiteCore CMS, Node.js, React.js, EPiServer CMS, Angular, .Net Core, .Net, Angular (UI), Spring **Boot**, **Java** |
| **Scripting Languages** | Terraform, JavaScript, ARM Templates |
| **Monitoring** | Application monitoring using AppInsights,Infrastructure monitoring using Log Analytics, Azure Monitor, Dynatrace, Splunk |
| **Databases** | SQl Server 2019/ SQL Server 2016, Azure: CosmosDB, Azure SQL, PLSQL, SQL Managed Instance |
| **Monitoring Tools** | Azure: App Insights, Log Analytics, Azure Monitor; Dynatrace, Splunk |
| **Version Control Tools** | GitLab, GitHub |
| **Hosting Servers** | IIS, TomCat |

***SC State Government Solutions Architect/ .Net C# Azure Architect***  *Columbia, South Carolina (Oct 2014 – Nov 2015)*

**Responsibilities**

* Documented the system design detailed technical specifications required for the new applications to be developed, including workflow models, class diagrams, interaction diagrams, component diagrams, deployment diagrams, and other systems documentation.
* Consulted with technical support, network administration, and database administration areas to ensure coherent total design of the system and to resolve any technology issues. Participated in the design of file layouts and **SQL** database structures.  Provided support to users during Acceptance Testing.
* Developed and maintained architecture models for large, integrated, mission critical applications that support the operations of enterprise applications.
* Utilized cutting-edge application technologies such as services-oriented architecture (SOA), workflow engines and business rules engines to build secure high-performance, highly maintainable application architectures. Performed in-depth research; maintained currency with industry trends. Recommended application development technologies and techniques.
* Maintained design rules; participated in high-level reviews of application designs.
* Developed Business logic layer that includes code behind files and classes in N-Tier using ASP.Net, Java, JSP, C#
* Application development and integration, Unit Testing and System integration
* Analyzed, designed, developed code and implemented OO applications.
* Created various **Web Forms** & **User Interfaces** **Screens** using **.Net framework 4.5**
* Developed the reusable framework for the application using the MVC 3.0.
* Responsible for Data Access layer, Business Logic layer and User Interface
* Used AngularJS in Single Page Applications (SPA)
* Responsible for providing best practices in Security
* Utilized AngularJS directives, Controller, factory, Scope, filters and Services, consumed Web API from AngularJS
* Analyzed, troubleshooted, and solved software problems
* Using SQL Server, Developing, tuning complex queries, Data modelling, T-SQL, stored procs, Performance Tuning
* Implemented multithreading – TPL or TAP patterns and Worked with distributed systems
* Recommended changes in procedures and implemented Code Refactoring
* Troubleshoot issues based on priority and work with Business users to resolve them
* Coordinate with offshore team and provide timely support, getting their queries resolved
* Participate in Root Cause Analysis and requirement gathering
* Understand existing environment and business of various source systems
* Strong implementation of Caching, Session State, Cookie Management, View state
* Use of Sitecore (Web Content Management system) and EPiServer CMS was used
* Working in Cross Browser compatible Web applications (eCommerce applications)
* Working on large globalized application within Load Balanced environment
* Implementing ITIL concepts, understanding the Change Management, Problem Management processes
* Writing complex SQL queries and stored procedures in SQL 2008/2014
* Used Agile practices and Test Driven Development (TDD) techniques
* Monitoring and Alerts were configured in Azure
* Worked on Azure AD, Azure Table Store and Azure BLOB, PLSQL
* Using Service Bus Queues for communication in multi-tier Azure application between on premises apps and Azure hosted apps in Hybrid solution
* Implemented WPF to create Custom Controls, Used web services to communicate with business layer objects
* IOT (Internet Of Things) based Solution Design and Development

|  |  |
| --- | --- |
| **Environment** | Lab, Dev, Test, UAT, Pre PROD, PROD, DR (Disaster Recovery) |
| **Cloud Technologies** | Azure Cloud: Azure Virtual Machines (Windows and Linux), Azure DevOps, Azure Data Factory, Azure Data Bricks, Azure SQL DW (Data Warehouse), Azure Synapse Analytics, Azure Power BI, Azure Site Recovery, Azure Data Lake, Blob Servcie |
| **Web Technologies** | .Net 4.5, .Net Core, Spring Boot, Java, Python, Swagger, Rest API, SSIS, SSRS  SiteCore CMS, EPiServer CMS, Angular, .Net Core, .Net, Angular (UI), Spring **Boot**, **Java** (**Visual Studio** 2015 **Team Foundation Server**, **Dev Express**), MVC 5/MVC 4, **XML**, **XSLT**, C#.NET, Entity Framework (POCO entities), MSMQ, Repository Framework, Twitter Bootstrap Framework, AngularJS, Enterprise Library 5.0, **AJAX, Java script**, JQuery (UI Validation, Translation, Date controls etc.), WCF, Rest Services(JSON) |
| **Scripting Languages** | Terraform, JavaScript, ARM Templates |
| **Monitoring** | Application monitoring using AppInsights, Infrastructure monitoring using Log Analytics, Azure Monitor, Dynatrace, Splunk |
| **Databases** | SQl Server 2019/ SQL Server 2016, Azure: CosmosDB, Azure SQL, PLSQL, SQL Managed Instance |
| **Monitoring Tools** | Azure: App Insights, Log Analytics, Azure Monitor; Dynatrace, Splunk |
| **Version Control Tools** | GitLab, GitHub |
| **Hosting Servers** | IIS, TomCat |

***Allianz Insurance / DB .Net Azure Architect / Technical Architect*** *New Jersey (Sept 2009 – March 2014)*

**Responsibilities**

* Involved in providing Solution Designing and development, IIS configuration and Deployment
* Developed and recommended hardware specifications, coded software design, and implemented the database design for optimal data access and storage.
* Strong experience in working with Web Services, SOAP and WSDL.
* Migration of pre-existing Web Forms segmentation pages to WPF
* Coded the presentation layer using WPF and service layer using Windows Communication Foundation
* Added mobile pages to **ASP.NET** Webforms and MVC applications
* Designed **Windows forms UI** in **Data Grid View** from the data base with the help of **ADO.Net queries**.
* Experience in implementing Dependency Injection (DI) using IOC Framework, Autofac
* AngularJS was used for consuming WCF & Worked with Widgets Library (Microsoft)
* Using SQL Server, Developing, tuning complex queries, Data modelling, T-SQL, Stored procs, Performance Tuning
* Implemented multithreading using Async and Await – TPL or TAP patterns
* Applied Multithreading techniques to process data in chunks to increase performance in existing applications
* Inversion of Control (IOC)/Dependency Injection (DI) Concepts and the use of IOC containers
* Experience in build automation with contiguous integration and MSI development.
* Worked in Windows Azure Development environment, Worked with distributed systems
* Implemented **Windows Azure caching** mechanism for caching using REDIS cache
* Deployed and running the whole application successfully in **Windows Azure cloud platform**.
* Implemented the database components in **Windows Azure SQL**.
* Used Agile practices and Test-Driven Development (TDD) techniques
* Continuous Integration was maintained using Jenkins
* Prepared technical documentation such as system architecture, functional, design documents
* Conducted design and code walkthrough with the team
* Designed the web UI using **ASP.NET**, **HTML**, **JavaScript**, **CSS**, Web Forms and **AJAX**
* Used JQuery, lightweight **JavaScript** library that emphasizes interaction between **Java script** and **HTML**.
* Developed solutions for diverse programming scenarios in C#, employing Object Oriented Programming (OOP) concepts such as: encapsulation, inheritance, polymorphism, and abstraction and Design patterns like Abstract factory.
* Utilized ADO.Net extensively for data retrieving, querying and manipulation using LINQ and **SQL** server
* Worked on Object Oriented Concepts, User Controls, Server Controls and Master pages
* Experience in implementing Dependency Injection (DI) using IOC Framework.
* Worked on MVC architecture applications, PLSQL
* Used WPF to create Presentation layer
* Created and deployed **XML** Web Services using **ASP.Net** and C#, used them to generate the proxy class files based on the web services and consumed in web application.
* Daily programming, development, maintenance, monitoring, performance analysis, trouble shooting, problem resolution, and user assistance required of applications and databases.
* Involved in the complete Software Development Life Cycle (SDLC) for development process and Agile including Analysis, Design, Implementation, Testing and Maintenance.
* Involved in Implementing Road Map, Defining and building best Practices for .NET Application Development
* Contributed in defining the logical, technical and physical architecture of the .NET Application

|  |  |
| --- | --- |
| **Environment** | Lab, Dev, Test, UAT, Pre PROD, PROD, DR (Disaster Recovery) |
| **Cloud Technologies** | Azure Cloud: Azure Virtual Machines (Windows and Linux), Azure DevOps, Azure Data Factory, Azure Data Bricks, Azure SQL DW (Data Warehouse), Azure Synapse Analytics, Azure Power BI, Azure Site Recovery, Azure Data Lake, Blob Servcie |
| **Web Technologies** | .Net 4.5, .Net Core, Spring Boot, Java, Python, Swagger, Rest API, SSIS, SSRS  SiteCore CMS, EPiServer CMS, Angular, .Net Core, .Net, Angular (UI), Spring **Boot**, **Java** |
| **Scripting Languages** | Terraform, JavaScript, ARM Templates |
| **Monitoring** | Application monitoring using AppInsights,Infrastructure monitoring using Log Analytics, Azure Monitor, Dynatrace, Splunk |
| **Databases** | SQl Server 2019/ SQL Server 2016, Azure: CosmosDB, Azure SQL, PLSQL, SQL Managed Instance |
| **Monitoring Tools** | Azure: App Insights, Log Analytics, Azure Monitor; Dynatrace, Splunk |
| **Version Control Tools** | GitLab, GitHub |
| **Hosting Servers** | IIS, TomCat |

*Merrill Lynch, New Jersey (Aug 2007 – Sept 2009) .Net Technical Lead*

**Responsibilities**

* Rebranded the web site including new icons, logos, links and interfaces.
* Legacy data was migrated into **SQL** Server 2005 using SSIS packages
* New web front end developed in **ASP.NET**.
* The modernization effort utilized **ASP.NET**, **AJAX**, n-tier architecture and best practices in database design
* Anticipating consequences of actions, potential problems, or opportunities for change.
* Adhering to company standards, metrics, processes, procedures, and practices.
* Worked on **SQL** Server Reporting Services (SSRS) and created SSIS packages
* Involved in the complete Software Development Life Cycle (SDLC) for development process and
* Agile including Analysis, Design, Implementation, Testing and Maintenance.
* Developed **XML** Schemas for Data Object design for communication with web service and existing Application
* Developed solutions for diverse programming scenarios in C#
* employing Object Oriented Programming (OOP) concepts such as:
* encapsulation, inheritance, polymorphism, and abstraction and Design patterns like Abstract factory.
* Utilized ADO.Net technology for data retrieving, querying, storage, manipulation using LINQ and **SQL** server
* Created and deployed **XML** Web Services using **ASP.Net** and C#,
* used them to generate the proxy class files based on the web services and consumed in web application.
* Designed the web UI using **ASP.NET**, **Java**, **JSP**, **HTML**, **Java script**, **CSS**, Web Forms and **AJAX** controls
* Used JQuery, lightweight **Java script** library that emphasizes interaction between **Java script** and **HTML**
* Created User Controls, Data Access Layer, BAL Business Logic Layer Classes using C# and .Net 3.5
* Used Custom User Controls to provide standard interactive User Interface
* Writing Queries using **T-SQL** Statements, Views, User Defined Functions, Complex Stored Procedures
* Triggers in **SQL** Server 2008 for inserting/Updating/Deleting the data into the relational tables.
* Enterprise library for Database Connection, writing exception manager component, creates log file event viewer
* Used **SQL** Server Business Intelligence Development Studio for report designing and construction (SSRS)
* Involved in Deployment and Troubleshooting issues in the application.
* Used **XML** for client-server communication.
* Wrote complex user defined Functions, Stored Procedures, Views, Triggers, and cursors using **SQL** Server
* Responsible for maintaining versions of source code using Visual source safe
* Developed several Web forms, Presentation layer, Business layer and Data layer for various modules
* Involved in production support, maintenance and enhancements of ASP.Net Applications
* User Interface modules developed using ASP.Net 3.5, ADO.Net, C#,  and JavaScript.
* Used ASP.Net, Java, AJAX with Java script to send asynchronous data from a server to web client
* Strong experience in Web Services, SOAP and WSDL
* Extensively used Cascading Style Sheets (CSS) for formatting the pages and websites
* Involved in Requirement gathering and performed analysis created Flow Charts and Documentation
* Worked Closely with Database team and architects to design the database of the Application
* Developing UI Layer, Business Logic Layer, created data model and database
* Created Stored Procedures and Performed Unit and Integration testing of the application
* Developed windows and web applications using Classic ASP 3.0, VB 6.0, JavaScript, HTML, CSS
* Worked Closely with Database team and architects to design the database of the Application in SQL Server
* Data binding was extensively used to bind various server controls to the data from Database
* Data Grid control, Repeater control were used in displaying rows of data in a customized template format
* Extensively used ADO.NET objects to communicate with SQL Server 2000 database
* Optimization of Stored Procedures in SQL Server, PLSQL, Database objects like Tables, Views, Functions, Triggers

**Danya Intl , Atlanta,GA Software Engineer (Feb 2007 – July 2007 )**

**Responsibilities**

* End clients were Health Care related organizations
* Worked on Intranet projects for the end clients
* Involved in requirement gathering and analysis of the project
* Created functional and technical documents
* Worked with SQL Server and Oracle, Crystal Reports was used for reporting
* ASP.NET, Java, AJAX, JavaScript, HTML, MSMQ services were all used extensively
* SSIS was utilized, PLSQL
* Involved in testing and delivery of the products and hosting the applications on Production environment

**Teknosorus , Hyderabad,A.P Sr Software Engineer (Feb 2004 – Jan 2007)**

**Responsibilities**

* End clients were Educational and Training Institutions creating products for utilization
* Waterfall methodology was used in the process
* Worked in around 21 team members capacity which involved Lead and an Architect
* Windows applications and Web Applications were developed
* Legacy applications were migrated to .Net framework
* Participated in created all related functional and Technical documents
* Involved in communication with the end client and stakeholders
* Applications were hosted on IIS servers and TomCat servers
* ASP.NET, C# and Java was utilized to develop the products
* Oracle and SQL Server was used for Databases, PLSQL

**Ariesnet Inc., Dallas, TX Technologist (May 2001 – June 2003)**

**Responsibilities**

* End clients were Furniture related Stores, Maps related firms, as well as retails
* Worked on requirement gathering from the business
* Waterfall methodology was used to implement the project
* Extensively worked with Classic ASP, Java, HTML, JavaScript for the frontend
* SQL Server database was used to store the data, PLSQL
* Triggers and complex stored procedures were written
* Code optimization was used, Worked on IIS servers
* Sessions were used to maintain the states
* Involved in unit testing and integration testing of the Web Applications