**NITISH REDDY YERRA**

**Senior Technical Consultant**

(AZURE/DevOps/AWS/.net/Angular/React)

 **teja@itarks.com / 860-603-0189 DENVER, CO**

**10+ years** of IT experience in which I have extensively worked in building **continuous integration and continuous deployment** (**CI/CD**) pipeline in **DevOps** for **modern** applications and highly experienced in design and development of enterprise application developments using Microsoft line of Technologies and other modern technology stack, such as **Azure API management (Azure APIM), Azure Expressroute Circuits, Azure DevOps, Azure pipeline, Azure functions, Azure SQL, MicroServices, .**Net Core, .Net framework, ASP.Net, VB.Net, ADO.Net, JavaScript, jQuery, LINQ, ReactJS, NodeJS, AngularJS, Web Services, REST API, RESTful Web APIs, , HTML, CSS, Bootstrap, SSRS, SSIS, IIS, C#, MVC, Typescript, , WCF, Web Services, Single Page Applications (SPA), Window Services, and JavaScript, Responsive Web Design, RabbitMQ, Kafka and, AWS, Angular, JavaScript and JQuery, Postman, MongoDB, DB2, Microsoft SQL Server, Oracle.

**Experience Highlights:**

● Extensive experience in developing, maintenance and enhancements of VB6, ASP applications and migrating the application to windows applications in C#.NET and VB.NET and to ASP.NET Web application.

● Involved with the client team to design and develop the application according to client requirement using WCF, SOA and ASP.NET with the business logic implemented using C#.

● Design & implement end-to-end automation of **infrastructure** and **continuous delivery** of the applications by integrating Cloud Formation scripts, **Jenkins** and AWS.

● Experienced in Multithreading programming in C++.

● Developed Single page applications using Angular 5.x/4.x/2.x, Angular JS and React JS.

● Designed and implemented the application using Microservice Architecture for its various distinct advantages like loose coupling and design patterns.

● Designed and built custom back-end web applications using PHP/MySQL

● 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.

● Experience in developing Microservices using ASP.NET core.

● Hands on Experience in using wireframes and Jasmine testing and creating single page applications using Angular 2.0.

● Expertise in optimizing the Angular 8 Application performance.

● 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.

● Proficient in front-end development using Angular 2/4, JavaScript, jQuery, HTML5, CSS3, Typescript and Bootstrap. Worked with the Architecture teams to implement the upgrade of Angular 5.0 to Angular 8.0.

● Built AngularJS components, UI services to consume rest services using Component based architecture provided by Angular 2. Expertise with creating single page applications using Angular 8 with MVC capability.

● Extensively utilized Angular components like Providers, Directives, factories & services used across the application.

● Experience working with VB. net, and C# programming language.

● Experience working with MVC 2.0/3.0/4.0/4.5/5.0, RAZOR, MVVM design patterns.

● Worked in Agile and Scrum environments and extensively utilized OOD, Design Patterns.

● Expertise working with Collections (Array, Array List, HashTable, Stack, Queue, Generic List)

● Good Knowledge and working experience in Object Oriented programming (OOPS) concepts and using various Design Patterns.

● Excellent hands-on experience in Web Services using SOAP, WSDL, Schemas XSD as well as RESTFul API Web service.

● Good understanding in Service-Oriented Architecture and its related technologies like Web Services, WSDLs, SOAP, XML, XSD, XPATH, XSLT, XQuery and Web Service Security.

● Experience in designing and developing **Microservices** for the business components using .NET framework.

● Experience in creating Containers by Docker for **Microservices**.

● Experience working with JavaScript, VBScript, jQuery, Angular JS, Angular 8,10 and AJAX in ASP.NET for asynchronous communication and better user experience.

● Experience with Client-Side Frameworks jQuery /Angular JS and used AJAX for the Asynchronous data transfer between the client and the server for creative and interactive web applications, mainly focused on performance improvement.

● Involved in C# and ASP. Net coding for various modules.

● Expertise in designing and developing Windows based applications and Web based applications with MVC, ASP.NET, and C#.NET, VB.NET, Java Script, JQuery, Bootstrap, Angular JS and CSS.

● Experience in using Entity Framework, an [object-relational mapping](https://en.wikipedia.org/wiki/Object-relational_mapping) for Data Access and Data Storing into the Database.

● Extensive experience in designing and developing applications using Microsoft Technologies and .NET Framework 4.5/4.0/3.5/3.0/2.0

● Experienced in **Amazon AWS Cloud infrastructure** services like EC2, VPC, S3, SNS, SQS, IAM, RDS, SES, Route53, Cloud Watch, CloudFront, Elastic Load Balancers and Cloud Trial.

● Strong experience in technologies related APIs, such as **OAUTH, SAML** and **microservices.**

● Experience working with **Microsoft Azure Cloud-based** IaaS and PaaS SQL.

● Experience in using **Azure AD** for creating **SAML** connections

● Highly experienced on implementation leading practices for key **IAM** areas related to user identification, user authentication, privileged access management, separation of duties, role-based access control (**RBAC**) and similar concepts, user access requests, user access requests, multi-factor authentication, and attestation and certification requirements.

● Designed, tested, and configured custom **Azure ADFS** and **B2C** environment

● **Azure DevOps:** Extensive experience in automating the Azure deployment through ARM template, AWS deployment in cloud formation template.

● Implemented Deployment Azure pipeline from DEV, QA, STAGE to PROD environment streamline process.

● Deployed the artifacts of the applications using **DevOps** tools Jenkins and **Azure DevOps**.

● Extensive experience in implemented **CI/CD** in Azure **DevOps** using Pipelines and Release.

● Experienced in “Code Build and Deployment” through **Continuous Integrations**/

**Continuous Deployment** (**CI/CD-Azure Pipeline**)

● Implemented **Azure CI/CD process** for tools migrated from Jenkins.

● Used **Azure CI/CD process** to deploy the application.

● Extensive experience on implementing the modernizations for numerous **government agencies** like, Cities and counties of the United States.

● Worked with DBaaS such as **Azure** SQL, **AWS** Aurora, RDS and **NoSQL** database like MongoDB, Cassandra, Amazon dynamo DB.

● Most recent concentration has been the design of object-oriented web applications for client-server applications using Angular 4, Bootstrap, CSS 3, and SASS.

● Extensively expert in hardcoding as c#/.Net developer. Wrote Vagrant Scripts to spin up servers on the Developer workstations and in **AWS**.

● As a developer working on completed software development life cycle and product development by following the coding standards in C++, Multithreading under the UNIX environment.

**TECHNICAL SKILLS:**

o **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, ADO.NET, LINQ, WPF, MVVM, WCF, WWF, Silverlight 2/3/4, Expression Blend, MVC 5, IOS SDK

o **Languages:** C, C++, C#, VB.Net, VB

o **IDE:** Visual Studio.Net 2012/2010/2008/2005/2003

o **Web Technologies:** AJAX, JavaScript, VBScript, HTML 5, XHTML, DHTML, Flash, XML, XSLT, XAML, CSS 3, ASP, Knockout JS, AngularJS 1.5/1.6, Angular 10/8/7/5/4/2, React JS, AWS, Azure.

o **Cloud/DevOps :** Azure App services, Azure Active Directory (AD), Azure Notification Hubs, Azure Identity and Access Management, Azure API management (Azure APIM), Azure Expressroute Circuits, Azure Service Bus., Azure DevOps, Azure pipeline, Azure functions, Azure Connector, Azure SQL , Azure SQL ,Azure Resource Manager (ARM), Terraform, AWS Services EC2, S3, ELB, Glacier, EBS, EFS, ENI, CloudFormation, RDS, VPC, Route53, CloudWatch, CloudTrail, IAM, SNS, SQS, ElasticCache, RedShift, EMR, Lambda, Docker, Kubernetes.

o **IAM / IDM :** SAML, Oauth, SSO, Azure Active Directory (AD), AD Connector, OKTA, Forgerock, AWS IAM, PingID, Ping Federate, Ping Access, Okta Access Gateway

o **Application Servers:** IIS6.0, IIS5.x with .NET Framework, Microsoft Office SharePoint Server 2007.

o **Databases:** SQL Server 2000/2005/2008, Microsoft Azure, Oracle 10g, MS Access, SQL, MySQL, T-SQL, PL/SQL, MongoDB

o **Design Tools:** Design Patterns, Rational Rose.

o **Operating Systems:** Windows 7, Windows Vista/XP/2003, Macintosh OS X, UNIX, Linux 6.2/7.0.

o **Modeling Tools:** UML, MS Visio 2000, Long View Trading

o **Version Control Tools:** Visual Source Safe (VSS) 2005, Subversion, Team Foundation Server 2010/2008

o **Testing Tools:** X-Unit,N-Unit, Jasmine, Cucumber, Karma

**EDUCATION DETAILS:**

 Master’s degree from Trine University (Indiana) in Information Studies (2017).

Bachelor’s degree from JNTU Hyderabad in Computer Science (2015)

### **Professional Experience**

**Frontier Airlines - Denver,CO**

**Apr 2024 - Present**

**Role : Lead Engineer**

 **Responsibilities :**

* Proficient in designing, developing, and deploying web applications using ASP.NET, .NET Core, and Azure technologies.
* Experience leading a team of developers in Agile/Scrum environments, ensuring timely delivery of Sprint goals and maintaining high team morale.
* Skilled in implementing MVVM (Model-View-ViewModel) architecture for scalable and maintainable applications.
* Extensive hands-on experience with Azure services such as Azure App Services, Azure Functions, Azure SQL Database, and Azure DevOps for CI/CD pipelines.
* Strong background in backend development with .NET technologies including C#, ASP.NET MVC, and .NET Core.
* Proficient in frontend development using JavaScript frameworks (e.g., Angular, React) to create responsive and user-friendly interfaces.
* Expertise in designing and optimizing SQL databases, with practical knowledge of Entity Framework and LINQ for data access.
* Advocate for code quality and best practices, including unit testing, integration testing, and continuous integration.
* Proven ability to troubleshoot complex issues and implement effective solutions under tight deadlines.
* Successfully managed offshore development teams, providing clear guidance, mentoring, and ensuring alignment with project objectives.
* Excellent interpersonal skills with a track record of collaborating effectively across cross-functional teams and stakeholders.
* Proficient in sprint planning, backlog grooming, and sprint retrospective meetings to optimize team performance and project delivery.
* Strong documentation skills, including technical specifications, architecture diagrams, and user guides.
* Commitment to staying updated with the latest technologies and industry trends, incorporating new tools and techniques into projects.
* Demonstrated leadership qualities with a focus on mentorship and career development for team members, fostering a culture of learning and growth.

**Southwestern Energy - SPRING, TX**

**April 2023 - Apr 2024**

**Role: Senior Technical Consultant (AZURE/.net/FullStack)**

**Responsibilities:**

* Involved in implementing 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 and responsible for specifications review and part of estimation of deliverables.
* Designed, developed, and deployed multiple Mendix applications, ensuring robust functionality and user-friendly interfaces.
* Created responsive and intuitive user interfaces using Mendix’s page editor, integrating custom widgets and ensuring cross-browser compatibility.
* Worked on google cloud platform(GCP) services like computer engine, cloud load balancing, cloud storage, cloud SQL.
* Developed and consumed RESTful APIs to enhance application functionality, enabling seamless data exchange between the Mendix applications and external systems.
* Conducted performance optimization and troubleshooting for Mendix applications, resulting in improved load times and user experience.
* Worked closely with cross-functional teams, including business analysts and designers, to gather requirements and deliver Mendix solutions using Agile methodologies.
* Can work parallely in both GCP and Azure Clouds coherently.
* Built data pipelines in airflow in GCP for ETL related jobs using different airflow operators.
* Built and designed a mobile application on Kendo UI; GUI was designed on Kendo UI for mobile application.
* Involved in migrating the application from .Net Framework to .Net Core 6 and involved in all design changes and API developments needed for the application.
* Participated with end users and business analysts to understand the business requirements.
* Experience in using extended complex ASP.NET Core microservices (strategy pattern, Unity Container, code generation) C# ∙ ASP.NET Core Web API ∙ Blazor Server ∙ Razor ∙ .NET 6 ∙ Entity Framework Core ∙ T-SQL ∙ GitHub ∙ Kanban
* Worked on Front end by using Angular 2&4, Angular JS and JavaScript to implement Single-page applications(SPA).
* Extensively used Git for version controlling and regularly pushed the code to GitHub.
* Extensive knowledge of and use of AngularJS directives to bring additional functionality to HTML.
* Developed Multithreading .NET C# Applications by using LINQ • Developed client side drop down menus, search bars and drop-down toggles using Twitter-Bootstrap and jQuery.
* Expertise in AngularJS on Filters, Validations, MVC, Controllers, Directives, Routing, States, $http, $q, Factory and Service, also worked on Angular UI bootstrap.
* Involved in developing the requirement with MVC, Web API, Ajax calls, Controls and unit testing, system testing and release management.
* Worked on creating ASP.Net Web Pages using ASP.NET 4.0/4.5 using C#.
* Built Web Pages that are more user-interactive using AJAX, JavaScript, LESS, SASS and AngularJS.
* Used LINQ to Entities, LINQ to SQL, LINQ to XML and LINQ to Objects for retrieving the data proficiently.
* Worked with DLL and EXE files and understanding VB development in the .Net framework • Developed the application using N-Tier architecture using C#, MVC4, Entity Framework 5/6, LINQ, Web API, HTML5, CSS3, JQuery, AngularJS and Bootstrap UI • Created AngularJS Routing to connect different controllers to the views which allows the single-page application (SPA).
* Leveraged HTML5, Bootstrap for styling to improve user experience throughout.
* Creating applications using VB.Net and enhancing projects for .NET applications • Created various RESTFUL services using Web API to return serialized JSON data which are later consumed through AngularJS services.
* Created and maintained database schema, tables, views, stored procedures and indexes for better performance using SQL Server.
* Handled Run Time Errors & Design Time Errors by implementing appropriate Error Handlers in VB.NET.
* Developed reports using complex formulas and to query the database to generate different types of ad-hoc reports using SSRS and SSIS.
* Implemented Unit Testing through NUnit and created test cases for all functions used in the application.

**Texas Comptroller Of Public Accounts - HOUSTON,TX**

**Jan 2022 - Mar 2023**

**Role: Senior Technical Consultant (AZURE/.net/FullStack)**

**Responsibilities:**

● Used C# from Visual Studio 2012, Windows Presentation Foundation (WPF), XAML, .NET Framework 4.0, LINQ, and WinForms, Methodologies included MVVM to build web applications.

● **React** Hooks and Redux to build dynamic web pages (React-router, JSX, Babel, Saga).

● Integrated **Redux** with **React** to handle large chunks of data for better performance.

● Experienced in **React** JS and working with React Flux architecture.

* Developed server-side microflows and custom Java actions within Mendix to handle complex business logic and integrations, improving application performance and scalability.

● Used Ed-Fi Data Standard of rules for the collection, management, and organization of educational data that allows multiple systems to share their information in a seamless, actionable way.

● Experienced in working with Redux architecture using complex Object-Oriented concepts in improving the performance of the websites.

* Utilized XPath expressions to efficiently query and manipulate data within Mendix applications, optimizing data retrieval processes and ensuring accurate data handling.

● Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.

* Integrated third-party JavaScript libraries and frameworks into Mendix applications to leverage additional functionalities, ensuring seamless interoperability and enhanced capabilities.

● Setup Application Monitoring, Automated Code Quality Check along with Continuous Integration and Continuous Deployment.

* Conducted performance optimization and debugging using Java and JavaScript, identifying bottlenecks and implementing solutions to ensure smooth and efficient application operation.

● Modified Web Services to interact with the other applications and exposed them using SOAP and HTTP.

● Used WCF for developing and deploying services on windows in line, third party services and applications with the Service Oriented Architecture (SOA).

● Modernized monolithic applications (.net based) to OnPrem and Azure based microservices with microservices architecture following various Cloud

● Proficiency on Responsive Web Design using React Custom CSS, Bootstrap, cross browser and adapt to the changing environment.

● Experience in Agile software development methodology and Test driven development including SCRUM Framework.

● Existing applications were Deployed to **Azure** after every enhancement.

● Coordinate with the web development team to design user interfaces for client websites using HTML, JavaScript, and AngularJS.

● Designed and developed Graphical user interfaces using Silver light XAML and C#.

● Extensively used Silverlight Data Grid, Items Control and many other controls with Paging and Sorting for displaying various data on to the page.

● Design, develop, and code web applications for customer accounts, which includes debugging issues, diagnosing root causes, and identifying solutions

● Create responsive designs for mobile applications, built wireframes, and developed prototypes for web development projects.

● Worked as UI Designer and Developer for the Web application using C# and Core.Net 2.0 and 3.0.

● Work as part of a team developing and maintaining multiple applications.

● Designed and developed effective web forms based on technical design and requirement specifications.

● Designed and developed an integrated n-tier web application using C#, WPF, ASP.NET and ADO.NET

● Developed solutions for diverse programming scenarios in C#, employing Object Oriented Programming (OOP) concepts such as: encapsulation, inheritance, polymorphism, and abstraction.

● Setup Application Monitoring, Automated Code Quality Check along with Continuous Integration and Continuous **(CI/CD-DevOps)** Deployment.

● Proficient developing applications using MVC, Blazor server - side and WEB API with Entity Framework.

● Proficient with front-end design tools like AngularJS, Material, Ui-Grid, Bootstrap, Mat Blazer, CSS and Kendo UI.

● Contributed to the **DevOps** to automate the build and deployment process using **Azure pipelines**.

● Manage **Azure AD** directory roles, **Azure** resources, approve requests and review access.

**State Farm Insurance - BLOOMINGTON, IL**

**Jul 2020 - Jan 2022**

**Role: Sr. Full Stack Developer (.net/Node.js/React.js)**

 **Responsibilities:**

● Designed and developed various abstract classes, interfaces, classes to construct the business logic in Model using C#.

● Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.

● Developed user interface by using the React Js, Flux for SPA development.

● Implemented client-side Interface using React Js.

● Developed and deployed a web application using AWS services such as EC2, S3, Lambda, and DynamoDB, resulting in a 25% increase in user engagement and a 20% increase in revenue within the first six months.

● Designed and developed RESTful APIs using AWS API Gateway and Lambda, resulting in a 30% reduction in API response time and a 40% increase in API availability.

● Developed and maintained cloud infrastructure using AWS services such as CloudFormation and CloudWatch, resulting in a 50% reduction in infrastructure management time and a 20% increase in infrastructure reliability.

● Design, Develop and Test the webpages using HTML5, CSS3, Bootstrap, JavaScript,

● jQuery and React that meets the accessibility and web browser standards.

● Developed the entire application modules using React and Redux. Solid understanding of React

● Virtual Dom Algorithm, for React performance optimization.

● Used DICOM as a set of RESTful services to enable our web developments team to unlock the healthcare images for using industry-standard toolsets.

● Used DICOM templates while building the application interface.

● Build React components and stand-alone functions to be added to any future pages.

● Responsible for developing a front-end application using React Js and FLUX architecture for internal teams productivity use.

● Experience using Amazon Web Services (AWS) like EC2, S3, Cloudfront and Cloud Front for promoting code in various environments.

● AWS to protect the Tableau environment using Amazon VPC, security group, AWS IAM and AWS Direct Connect.

● Worked with networking teams in configuring AWS Direct Connect to establish dedicated connection to data centers and AWS Cloud.

● Managed AngularJS to Angular 8 upgrade project end to end and delivered under strict deadlines.

● Created Unit Tests using Jasmine, Karma and Angular Mock.

● Worked with Java libraries to access AWS facilities as Simple Storage Service (S3), EC2, Cloudfront, Simple Queue Service (SQS) and SimpleDB.

● Monitored and maintained EC2 & RDS databases using Nagios and CloudControl.

● Design, and engineer the migration from on-premise enterprise data center voice solution (local SBCs, MPLS SIP, etc.) to a Cloud Telephony Solution with RingCentral. Leveraging multiple Equinix data center colocations for migrated SBC infrastructure, Voice Provider SIP trunks (AT&T, Verizon), redundant internet DIA and AWS Direct Connect circuits.

● Developed the reusable framework for the application using the ASP.NET MVC Framework 4.0.

● Manage various AWS/AZURE environments for provisioning of Linux servers and services implemented by the providers.

● Deployed WordPress, RDS Instance, Database and EC2 Instances via CloudFormation.

● AJAX is used to get the data from the server asynchronously by using JSON/XML objects.

● Used the Node JS with Flux Frameworks in the development of the web applications.

● Implemented a Node JS server to manage authentication.

● Created REST based APIs to form a middle layer for the UI systems (JSON input stream).

● Design the Database entities from Business Models using Entity Framework.

● Created and deployed Web Services using ASP.NET, SOAP and XML for Pulling Customer Service Records and database objects using Cassandra.

● Modified Web Services to interact with the other applications and exposed them using SOAP and HTTP.

● Used WCF for developing and deploying services on windows in line, third party services and applications with the Service Oriented Architecture (SOA).

● Extensively involved in developing components for Business Layer and Data Layer.

● Used Microservice architecture, based services interacting through a combination of REST and leveraging AWS to build, test and deploy Identity Microservices.

● Involved in complete application stack in Amazon Web Services (AWS) like EC2, S3 Bucket.

● Responsible for maintaining and expanding AWS (Cloud Services) S3 infrastructure using AWS (SNS, SQS).

● Used LINQ to build a set of operations, parameters and expression during execution of a set of data from SQL Server.

● Extensive Knowledge on Microsoft .NET design Patterns including Dependency Injection (DI), MVVM and MVC.

● Developed system services SOA application platform for use by all web applications utilizing WCF services.

● Designed and developed Data Access layer, Business layer and Presentation Layer (user interface) for the n-tier architecture web application using C#, ADO. NET and ASP. NET

● Designed and developed effective web forms based on technical design and requirement specifications.

● Designed and developed an integrated n-tier web application using C#, WPF, ASP.NET and ADO.NET

● Developed solutions for diverse programming scenarios in C#, employing Object Oriented Programming (OOP) concepts such as: encapsulation, inheritance, polymorphism, and abstraction.

**Nebraska State Game and Park - LINCOLN, NE**

**Feb 2018 - Jun 2020**

**Role: Full Stack Developer (.net/Node.js/React.js)**

**Responsibilities:**

● Used AngularJS framework for validating the required fields and check the duplicate records in client-side validation.

● Involved in development of MVC 3.0/4.0patterns for client server interaction.

● Extensive experience in Amazon Web Services (AWS) Cloud services such as EC2, VPC, S3, IAM, EBS, RDS, ELB, VPC, Route53, Ops Works, DynamoDB, Autoscaling, CloudFront, CloudTrail, CloudWatch, CloudFormation, Elastic Beanstalk, AWS SNS, AWS SQS, AWS SES, AWS SWF & AWS Direct Connect.

● Experienced in React JS and working with React Flux architecture.

● Working with React Router for developing Single Page Applications SPAs.

● Designed and developed a cloud-native application using AWS services such as ECS, EKS, and Fargate, resulting in a 50% reduction in infrastructure costs and a 40% increase in application scalability.

● Developed and maintained automated deployment pipelines using AWS CodePipeline and CodeBuild, resulting in a 60% reduction in deployment time and a 30% increase in deployment frequency.

● Monitored and troubleshooted application performance using AWS services such as CloudWatch and X-Ray, resulting in a 25% reduction in application downtime and a 20% increase in application availability.

● Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.

● Use AWS SDK for CloudFront signed URL, Quartz job run to pull Contents from Cloudfront.

● Design and deploy BGP traffic engineered routing architectures for multi-site EVPN/VXLAN fabric data centers and Global Corporate Backbone utilizing Equinix On-Premise Colocations and Public Cloud (AWS, GCP, Azure) regional subscriptions; Leveraging DIA, PTP, MPLS, AWS Direct Connect, GCP Interconnect and Azure Express Route Circuits.

● Designed and implemented BGP traffic engineered routing architectures over Azure ExpressRoute and AWS Direct Connect for multi-site hybrid data centers. Juniper vMX, MX, Arista vEOS, 7280, and VeloCloud V-Edge, E-200 .

● Used front-end web development tools like AJAX, CSS, JavaScript, DHTML, and jQuery.

● Worked with jQuery UI and Bootstrap, Knockout.js for creating new web applications using MVC.

● Generated business objects in the DAL layer to implement more functionality in Entities.

● Extensively worked with various built-in .NET security features such as cryptography, password storage, web service security and many other .NET features.

● Developed several SOAP and REST API based internal tools to enhance quality and performance of existing code base and deployed in CloudFoundry, AWS S3 and Kubernetes.

● Worked with various authentication and authorization attacks such as man-in-the-middle, cross-site request forgery, clickjacking, and session hijacking

● Used Interfaces, Delegates, Generics and Collections in the business logic layer.

● Maintaining the version of the project in Team Foundation Server (TFS) by merging the module developed with the latest version in TFS.

● Created Data Access layer operations by ADO.NET Entity framework

● Used C# from Visual Studio 2012, Windows Presentation Foundation (WPF), XAML, .NET Framework 4.0, LINQ, and WinForms, Methodologies included MVVM to build web applications.

● Extensively worked with bug tracking, issue tracking and project management functions by using multiple software.

● Developed and Designed enterprise-level business-critical development code using C#.NET, SQL Server, XML Windows Forms, WPF, Silverlight.

● Design and GUI development in Windows Presentation Foundation(WPF) and Windows Forms.

● Designed and developed Services using WCF and also leveraged WCF security mechanism at transport level with windows authentication type for our intranet applications.

● Analyzed and designed new WPF application using MVVM and Repository pattern, from design to completion.

● Providing Release Management and Build Automation with TFS 2013 Build Automation.

● Responsible for Automated Staging Server Version Deployment to Production.

● Writing Stored Procedures and User Defined Scalar Functions (UDFs) to be used in the SSIS packages SQL Scripts.

● Designed and Developed reports using SSRS. Reports were developed against a variety of data sources which included SSRS.

**American century Investments, KANSAS CITY ,MI**

**Aug 2016 – Jan 2018**

**Role: Full Stack Developer (.net/Node.js/React.js)**

**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, SOAP, VB.Net, PYTHON and C#.

● Responsible for implementing UI mockups, integrating third party REACT libraries, and

● handling/creating Redux store data.

● Used Bootstrap for creating responsive website for smart devices using Responsive design and

● media queries.

● Produced content pages with CSS3 layout and style markup presentations and also used JavaScript

● methods and properties.

● Experience with Agile Scrum and leading Scrum teams.

● Worked on proven design pattern, designed and created views, controllers and models using ASP.NET MVC 5, C# within MS Visual Studio 2013.

● Created Business Logic Layer & Data Access Layers using design patterns like MVC, Facade and Repository.

● Designed Domain and Business Models using SOLID Design Principles

● Developed core web services in Web API to read/write data from SQL Server Database using Entity Framework.

● Also, used Azure for Scaling and checking the reliability of the applications which were developed during the project.

● Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.

● Developed Web Pages using SPA (Single Page Applications) Framework, HTML, XML, CSS, Bootstrap, Angular JS, Typescript

● Experience writing and deploying AWS Lambda Functions.

● Created JavaScript modules to be used with Bootstrap to speed up development

● Designed and Scheduled the SSIS packages to migrate data from Excel to SQL Server and Vice-Versa.

● Implementation of client side validations using jQuery, AngularJS and server-side validation using ASP.NET MVC Validation at Controller level

● Hosting applications with the AWS Cloud.

● Created DAL (Data Access Layers) to establish database connectivity and data manipulation.

● Used Forms Based Authentication to enforce security in the application

● Implemented Logging Mechanism using Log4Net.

● Wrote Vagrant Scripts to spin up servers on the Developer workstations and in AWS.

● Dependency Injection done using Ninject Framework.

● Designed Administrator pages to handle overall application.

● Developed Customer Status update using Task-Based Asynchronous Programming Model (TAP) which can handle multiple threads and tasks.

● Experience in deployment using IIS Application Servers.

● Written various unit tests using NUnit and Moq Framework

● Involved in complete SSIS life cycle in creating SSIS packages, building, deploying and executing the packages in the development and production environments

● Involved in designing Database Architecture.

● Implemented Optimized Stored Procedures.

● Wrote the Database Triggers, Views, and Indexes using T-SQL.

● Used Telerik Controls to create better, faster and more user-friendly web applications.

● Active participation in unit testing of the application to ensure quality.

● Optimized LINQ/SQL queries and indexes for SQL Server 2012.

● Fixed bugs reported by QA and UAT, including in Typescript.

● Migrated application from .NET Framework 1.1 to 4.6.2.

● Azure SQL, Azure BLOB was used for Data Storage

● Maintained the Version, Labeled Versions and Backups of the source using Team Foundation server (TFS).

● Participated in various client meetings with the team and the Project manager to discuss improvements/amendments in the development of the section.

● Actively participated in TDD Methodology and few components implemented by silver light using and followed the MVVM architecture.

● Experience in developing reports using Crystal Reports.

● Experience in working in Software Configuration Management using Microsoft Visual SourceSafe (VSS) and Visual Studio Team Foundation Server (TFS).

● Strong Knowledge in Git/GitHub integration