**ROOPTEJA BOORUGUPELLY**

**.NET Full Stack Developer 📱 +13144725704| ✉️**[**boorugupellyroopteja@gmail.com**](mailto:boorugupellyroopteja@gmail.com)

**Professional Summary**

* **Around 10 years of extensive experience** in software analysis, design, development, integration, testing, process control, and maintenance.
* Proficient in both client-side and server-side development, with a strong foundation in modern software development practices.
* Experienced in Agile (SCRUM) and Waterfall methodologies, actively participating in stand-ups, backlog grooming, sprint planning, and story point estimation.
* Advanced knowledge of C#, Asp.net, MVC, LINQ, Web API, .Net Framework, Entity Framework, .Net Core, Microservices, SQL, HTML, CSS, Angular JS, .Net Core, Azure, jQuery, JavaScript, Ajax, Typescript, Azure CI/CD pipeline.
* Experienced in developing web-based applications using C#, ADO.NET, ASP.NET, VB.NET, .NET CORE, WPF, LINQ, MVVM, Entity Framework, VBSCRIPT, JAVASCRIPT, HTML5, jQuery, TypeScript, AJAX, CSS, React and Angular JS.
* Expertise in .NET technologies: .NET Framework (6.0/4.6/4.5/4/3.5/3), .NET Core (6.0), ASP.NET, ASP.NET MVC, ASP.NET Core.
* Proficient in programming languages and tools: C#, VB.NET, JavaScript, TypeScript, AJAX, HTML, CSS, XML, DHTML.
* Developed N-tier web applications using Visual Studio, Microsoft Expression Blend, IIS (7.0/6.0/5.0).
* Proficient in Azure services: Azure Web Apps, Azure Storage, Azure SQL Database, Azure AD, Azure Service Bus.
* Experienced with DevOps tools: Azure DevOps, CI/CD pipelines, Octopus, and integration of DevOps practices in the cloud.
* Experience in Job Scheduling services development using Hangfire, Quartz.NET and Fluent Scheduler
* Extensive experience in SQL Server, Oracle, and MySQL.
* Skilled in T-SQL and PL/SQL, including the development of stored procedures, views, triggers, functions, and performance tuning. Expertise in WCF, SOAP, WSDL, and RESTful services.
* Implemented authentication and authorization mechanisms in NestJS applications, leveraging Passport and JWT for secure user management, and used tools like Auth0 for enhanced identity services.
* Successfully developed a web application by using ASP.NET MVC, Web API with Angular 16 and leveraged Entity framework (EF) in the environment by using Visual Studio.
* Monitored and analyzed performance metrics of RESTful and SOAP APIs using tools like New Relic and Splunk, proactively identifying and resolving bottlenecks.
* Expertise in using Entity Framework, Entity Framework Core, NHibernate, LINQ, and ADO.NET for data access and manipulation. Expertise in client scripting language like JavaScript, D3.js, RDBMS, AngularJS, Node.js, React.js
* Developed secure applications with a focus on access tokens, claims identity, and integration with Microsoft Graph API.
* Designed and developed enterprise-level web applications using .NET technologies, ensuring robust architecture and scalable solutions.
* Extensive use of MVC patterns, Blazor, and Web API for developing rich user interfaces and efficient server-side logic.
* Created interactive single-page applications (SPAs) using Angular and ReactJS, ensuring cross-browser compatibility and optimal user experience.
* Actively involved in the software development lifecycle (SDLC), including requirement gathering, object-oriented analysis, design, development, testing, and documentation.
* Worked collaboratively with cross-functional teams, including DevOps, QA, UAT, and production support, to troubleshoot and resolve issues.
* Demonstrated strong communication skills, the ability to prioritize tasks, and a commitment to continuous learning and improvement. Skilled with JavaScript libraries including Angular (4/6/8/10/15/16/17), ReactJS, and Kendo UI.
* Successfully managed content in Sitefinity and Sitecore CMS platforms, creating custom widgets and templates for enhanced content delivery.
* Efficiently utilized DevOps applications, integrating with cloud services to streamline deployment and monitoring processes. Developed and consumed APIs, including ASP.NET Web API, OData, Microservices, and SOA.
* Developed microservices to collect and bill clients for cloud usage, demonstrating expertise in cloud-native application development. Implemented authentication and authorization using AAD, ADFS, OAuth, SAML2.0, and Azure AD.
* Experience in developing ASP.NET Web custom controls, Validation controls, Data Controls like Data Grid, Rich UI with extensive use of AJAX, Angular JS and building RIA web applications, REST/ RESTFUL Services.
* Proven ability to design, develop, and deploy applications in both on-premises and cloud environments, ensuring high availability and performance.
* Proficient in integrating and customizing routing software solutions like Roadnet, optimizing route planning, and enhancing transportation logistics.
* Implemented state management solutions with NgRx in Angular 16, handling complex state interactions and integrating with Redux DevTools for debugging.
* Have strong knowledge of web technologies including React JS, Angular JS, Bootstrap, HTML, CSS, AJAX, jQuery, JavaScript and XML.
* Experience with Unit testing, Integration Testing, and Functional Testing, ensuring high-quality software delivery.
* Hands-on experience with Azure Development, working on Azure web applications, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Azure search, and notification hub.
* Extensive use of Seri log and Log4net for logging in web applications. Experience in creating reports using SQL Server Reporting Services (SSRS).
* Hands-on working in the Agile Environment, been part of stand-ups Backlog Grooming, and Sprint Planning sessions to come up with the best story point estimates.

**Technical Skills**

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| **Programming Languages** | ASP.NET, C#.NET, VB.NET (Framework 6.0,4.6, 4.5, 4.0, 3.5, 2.0), PL/SQL |
| **.NET Technologies** | .NET Framework 3.0 – 8.0, .NET Core 3.0, .NET 5 – 8, ASP.NET, ASP.NET MVC, ASP.NET Web API, ASP.NET Core, ADO.NET, REST API, XML & WCF Web Services, Windows Forms, WPF, MSMQ, N Service Bus, Azure Service Bus |
| **Web Technologies** | HTML5, CSS3, XML, Bootstrap, JavaScript, jQuery, AJAX, React.js (16, 15), Redux, Flux, Redux Thunk, Angular (17,16,12, 8, 4, 2, CLI, Material), TypeScript, Kendo UI, MUI, Nest.JS, Node.JS |
| **Development Tools** | Visual Studio (2003 - 2022), SQL Server Management Studio, Postman, SoapUI |
| **Version Control** | Git, GitHub, TFS, SVN, Visual Source Safe, Subversion |
| **Web/Application Servers** | IIS 5.0/6.0/7.0, Windows Server (2003, 2008, 2012, 2016) |
| **Databases** | MS SQL Server (2005, 2008, 2012, 2014, 2016, 2017, 2019), Oracle (11g), MySQL, Cosmos DB, MongoDB, Cassandra, Elastic Search, Snowflake |
| **ORM** | Entity Framework, Entity Framework Core, NHibernate, LINQ, LINQ to SQL |
| **Cloud Services** | Microsoft Azure (Web Apps, App Services, Storage, SQL Database, AD, Service Bus, Notification Hub, Fabric Controller) |
| **Reporting Tools** | SQL Server Reporting Services (SSRS), Crystal Reports |
| **Operating Systems** | Windows (9x/2000/XP/Vista/7/8/10), Windows Server (2003/2008/2012/2016) |
| **Design Patterns** | MVC, MVVM, Repository, Dependency Injection, Singleton, Factory, SOA |
| **Methodologies** | Agile, Scrum, Waterfall, TDD (Test-Driven Development) |
| **CI/CD** | Azure DevOps, Jenkins, Octopus |
| **Testing Tools** | NUnit, XUnit, MS Test, Jasmine, Karma, Jest, Enzyme |
| **Bug Tracking** | Jira, Bugzilla |
| **GUI** | WPF, WinForms |
| **Protocols** | HTTP, HTTPS, FTP, TCP/IP, SOAP, REST |
| **ETL** | SQL Server Integration Services (SSIS) |
| **Miscellaneous** | MS Office (Word, Excel, PowerPoint), Design and Modeling Tools: Enterprise Architect (EA), Microsoft Visio, Others: NUnit, Altova XML, IBM Rational ClearQuest, ORSYP Dollar Universe Scheduling tool |

**Professional experience**

**Client: UPS, Jersey City, NJ Apr 2022 - Present**

**Role: Sr .NET Full Stack Developer**

**Project Description:** UPS, a global leader in logistics, provides a vast array of solutions including the transportation of packages and freight, facilitation of international trade, and the deployment of advanced technology to enhance the efficiency of global business operations. This project involves the critical task of analyzing and implementing new module enhancement requirements while offering comprehensive end-to-end support. The project includes the generation of custom business reports on various modules such as Shipping, Tracking, Invoicing, and Claims, thereby ensuring seamless and efficient operations across the organization.

**Responsibilities:**

* Conducted comprehensive requirements gathering for the existing application, analyzing the potential for enhancements and new features that could be integrated into the updated application.
* Led the design and implementation of SOAP-based web services using WCF (Windows Communication Foundation), ensuring interoperability and reliability across diverse systems.
* Created and managed Azure Web Application projects, deploying and updating ASP.NET Web apps and Web Jobs using Visual Studio, GitHub, and Azure Resource Manager to facilitate continuous integration and deployment.
* Created and optimized SQL scripts, stored procedures, and user-defined functions for efficient data retrieval, reporting, and business rule enforcement.
* Created a logistics optimization platform using ASP.NET and Roadnet API that allowed dispatchers to manage and monitor routes in real-time.
* Employed message queueing systems like MSMQ and RabbitMQ for asynchronous communication between components in both RESTful and SOAP architectures, improving system responsiveness and fault tolerance.
* Utilized MongoDB with NestJS for NoSQL database solutions, managing and visualizing data with MongoDB Compass and integrating with Mongoose for schema management.
* Successfully developed a web application by using ASP.NET MVC, Web API with Angular 16 and leveraged Entity framework (EF) in the environment by using Visual Studio.
* Developed various screens for the front end using React.JS and used various predefined components from NPM (Node Package Manager) and redux library.
* Developed, tested, and maintained routing and logistics modules using Roadnet software and .NET technologies, resulting in improved route efficiency.
* Integrated Roadnet API with existing .NET applications to enable real-time data exchange and automated route planning.
* Integrated NestJS with GraphQL, employing Apollo Server for efficient data querying and leveraging GraphiQL for interactive querying and debugging.
* Executed the integration of multiple disparate systems into a single cohesive platform, ensuring smooth operation and data consistency across various business units.
* Developed robust ASP.NET Web API controllers to implement service layer components and data object layer components using ASP.NET MVC web application architecture, ensuring scalable and maintainable solutions. Created and optimized Web API methods for performing database operations (CRUD) through Entity Framework, streamlining data manipulation and retrieval processes.
* Developed notifications feature to post events from Encompass to POINT portal.
* Created background jobs using Hangfire framework.
* Created and optimized SQL scripts, stored procedures, and user-defined functions for efficient data retrieval, reporting, and business rule enforcement.
* Leveraged REST APIs to save and retrieve data from third-party services using C#, JSON, and XML, thereby enhancing the application's ability to interact with external systems and services. Designed and implemented DDL and DML triggers in alignment with business workflows, closely collaborating with the database team to monitor logs and ensure data integrity and consistency.
* Utilized custom error handling mechanisms in Web APIs to provide meaningful error messages, facilitating better error understanding and debugging processes.
* Developed dynamic and interactive ReactJS pages, integrating web service calls and AJAX calls to enhance user experience and interactivity.
* Designed and implemented the complete front end of the application using Angular 15/16 and upgraded to Angular 17, ensuring modern UI/UX standards and improved performance.
* Implemented HTTP interceptors to manage URLs and store key values in cache storage, optimizing API call efficiency and reducing server load.
* Worked extensively with HTML5, CSS3, JavaScript, and ReactJS to develop responsive and user-friendly web interfaces, ensuring a consistent user experience across various devices and screen sizes.
* Implemented client-side caching using local storage to intercept API calls, significantly improving application speed and performance.
* Employed Bootstrap to achieve application responsiveness, ensuring a seamless and consistent user experience across different devices and screen resolutions.
* Used Angular 17 Material to apply a material-themed look and feel to the application, providing a cohesive and modern design. Designed and developed new modules for the application using C# .NET 6.0/.Net 8.0.
* Provided innovative solutions for UI elements requiring global availability, ensuring consistency and reusability of components across the application.
* Implemented custom pipes to provide tailored filters throughout the application, enhancing data presentation and user interaction.
* Utilized continuous integration and deployment (CI/CD) pipelines with tools like Jenkins or Azure DevOps to automate the build and deployment process for REST and SOAP services.
* Designed and developed various abstract classes, interfaces, Services, classes using C#, ADO.NET, .NET 6 This middle tier contained all the business logic.
* Conducted thorough unit testing using NUnit and integrated testing with Postman for API validation, ensuring application reliability and robustness.
* Enhanced application performance through meticulous code optimization and efficient database querying techniques, significantly improving overall efficiency and user satisfaction.
* Experience in Micro Services built using C#, .NET Core, EF Core, CQRS, Microservices, SignalR, Hangfire, Decorator Pattern, Onion Architecture, SAASKit, MediatR, GrayLog, NLog, AutoMapper, FluentValidation and IdentityServer4.
* Utilized Docker to containerize microservices, ensure consistency across development and production environments, and facilitate easier deployment and scaling.
* Implemented CI/CD pipelines using Azure DevOps to streamline the deployment process, ensuring faster and more reliable delivery of updates and features.
* Scheduled jobs for report generation through Hangfire and Autosys.
* Actively participated in daily stand-up meetings and collaborated with cross-functional teams using Agile methodologies, ensuring alignment and timely progress of development tasks.
* Orchestrated server-side rendering and client-side interactivity with NestJS and Angular, using tools like Angular CLI for scaffolding and Nginx for deployment.
* Documented technical specifications, design decisions, and implementation details comprehensively to ensure knowledge transfer and maintainability.
* Provided mentorship and technical guidance to junior developers, enhancing team capabilities and fostering a collaborative environment.
* Collaborated with quality assurance teams to ensure thorough testing and validation of all features, reducing the number of defects and improving overall application quality.
* Engaged in continuous learning and professional development to stay updated with the latest industry trends and technologies, ensuring the application remains modern and competitive.
* Setup background processing jobs like Fire and Forget jobs, Batches for sending emails to clients using Hangfire.
* Conducted code reviews, improved coding standards, and mentored junior developers in .NET and Roadnet API integrations.
* Actively contributed to sprint planning, retrospectives, and other Agile ceremonies to improve team processes and productivity.
* Coordinated with stakeholders to gather feedback and make necessary adjustments to the application, ensuring it meets business requirements and user needs.
* Developed and maintained comprehensive documentation for all aspects of the application, including architecture, code, and user guides, ensuring a clear and thorough understanding for all team members and stakeholders.

**Environment:** .NET Framework 8.0/6.0, C#, Angular 17/16, Typescript, SignalR, Hangfire, HTML5, CSS3, ReactJS, Node.js, Entity Framework 6.0, Microservices, Azure, MS SQL Server, Web API, Azure DevOps, Bitbucket, SourceTree, Gitflow, Visual Studio 2019/2022, Visual Studio Code, Docker, Azure DevOps, NUnit, Postman.

**Client: L’Oréal, Richmond, VA Mar 2021 – Mar 2022**

**Role: Sr .NET Full Stack Developer**

**Project Description:** The RISE application is a migration product designed for L'Oréal's application ecosystem. Initially developed using Uniface technology, the application is now undergoing a transition to .NET 2010 with a C# Windows application. The migration process involves leveraging the RIS framework, owned by L'Oréal, to facilitate the development of the current application.

**Responsibilities:**

* Gathered requirements for the existing application and analyzed the possibilities of any enhancements that could be accommodated into the new application.
* Worked on the Global and Point of Sale subsystems, particularly focusing on the Item Information sub-module within Product Assortment.
* Involved in various project phases including screen analysis, data model changes, Uniface code analysis, reverse engineering, and documentation.
* Played a role in understanding and converting Uniface requirements into the .NET framework. Contributed to the design of Win Forms using DevExpress controls and developed business logic using C#.NET and Entity Framework within a layered architecture.
* Utilized C#, Win Forms (MVC Pattern), Web Services, Entity Framework, LINQ, and Oracle 11g for development tasks.
* Implemented DevExpress controls for Win Forms design to enhance the user interface.
* Conducted unit testing using NUnit or similar frameworks to ensure the reliability and functionality of developed components.
* Participated in code reviews, providing feedback and suggestions for improving code quality and adherence to best practices. Involved in designing and developing the Web applications using C# .NET 4.6 and ASP .NET MVC framework.
* Employed Redis in Nest.JS, React.js, for caching strategies, enhancing application performance and reducing database load, and used Redis Insight for monitoring and management.
* Utilized continuous integration and deployment (CI/CD) pipelines with tools like Jenkins or Azure DevOps to automate the build and deployment process for REST and SOAP services.
* Implemented client-side form validation and error handling in Angular applications, providing users with real-time feedback and improving data integrity and usability.
* Designed and implemented database interactions using Entity Framework for ORM (Object-Relational Mapping) in conjunction with RESTful and SOAP services, ensuring efficient data retrieval and manipulation.
* Extensive use of Microsoft Visual Studio 2017 as the IDE to create new project class files, Projects and solutions
* Prepared checklists to ensure compliance with coding standards, architectural guidelines, and project requirements.
* Created Technical Design documents (TD) by gathering requirements from Business Analysts and translating them into technical specifications.
* Implemented unit testing and end-to-end testing strategies in Angular applications using Jasmine, Karma, and Protractor to ensure stability and reliability.
* Collaborated closely with Database Administrators to optimize database performance and ensure efficient data storage and retrieval.
* Wrote stored procedures, functions, and triggers in Oracle 11g to support application functionalities and database operations.
* Participated in the Propagation phase of the project, ensuring successful deployment and integration of the application into the production environment.
* Assisted in troubleshooting and resolving technical issues during development, testing, and production phases.
* Maintained awareness of emerging technologies and industry trends to recommend improvements and enhancements to the development process.
* Leveraged Azure DevOps for version control, CI/CD pipelines, and automated testing, streamlining the software development lifecycle and accelerating time to market for FX solutions.
* Involved in design and development of application integrating layers using Micro Services architecture, Restful and SOAP.
* Actively participated in Agile development practices such as sprint planning, daily stand-ups, and retrospectives to ensure timely delivery of features and enhancements.
* Mentored junior developers, providing guidance and support in adopting best practices, understanding project requirements, and improving technical skills.
* Optimized Angular applications for performance and scalability, utilizing lazy loading, code splitting, and caching strategies to minimize load times and enhance user experience.
* Implemented security measures such as SSL/TLS encryption and token-based authentication for both REST and SOAP services, ensuring data integrity and confidentiality.
* Implemented and maintained CI/CD pipelines using tools like Jenkins and Azure DevOps, streamlining the deployment process for .NET applications.
* Collaborated with cross-functional teams including Business Analysts, Quality Assurance Engineers, and Project Managers to ensure alignment of development efforts with project goals and objectives.

**Environment:** .Net Core 6.0, Win Forms, C#, Web Services, Entity Framework, MVC, Azure DevOps, WCF, TFS, DevExpress Controls, Windows Service Web Service, Oracle, Agile, MS Unit Tests, Oracle 11g.

**Client: Tenet Health, Dallas, TX June 2019 – Feb 2021**

**Role: Net Developer**

**Project Description:** At Tenet Health, the role involved managing and enhancing various healthcare applications. The project included designing and implementing database structures, developing business logic, and integrating with cloud services to ensure the seamless operation of healthcare information systems. Key focus areas were data integration, application development using modern frameworks, and maintaining high performance and availability in a cloud environment.

**Responsibilities:**

* Designed and developed complex database structures, including writing complex queries, stored procedures, user-defined functions, views, and triggers using PL/SQL to support robust data management and business processes.
* Utilized Business Intelligence Development Studio to design and implement SSIS (SQL Server Integration Services) packages for efficient data transfer from flat files and Excel spreadsheets to SQL Server, ensuring accurate data migration and integration.
* Developed SSIS packages for importing data from various file formats into SQL Server, streamlining data processing and integration workflows.
* Created and maintained the Business Logic layer for various application features, ensuring that business rules and processes were effectively implemented and maintained.
* Utilized Angular routing and navigation features to create single-page applications (SPAs) with multiple views and layouts, providing a seamless and intuitive user experience.
* Implemented security in Web Applications using Azure and deployed web applications to Azure.
* Used Java script and AJAX to query the Elastic search indices, format and display the JSON results in a web page using HTML and CSS.
* Conducted comprehensive testing, including unit testing, integration testing, and system acceptance testing, using tools such as NUnit and Visual Studio to validate application functionality and performance.
* Managed source code using version control tools such as Bitbucket, SourceTree, and GitFlow, ensuring effective code management and collaboration across development teams.
* Designed and developed components in Angular applications, facilitating data exchange across different controllers and enhancing user interface functionality.
* Utilized XML and JSON serialization techniques for data interchange in SOAP and RESTful APIs respectively, optimizing data transfer efficiency.
* Implemented the MVC 4.0 architectural design pattern for application development, creating and managing various views and partial views in ASP.NET MVC to ensure a modular and maintainable codebase.
* Designed, coded, and deployed Azure APIs and microservices using .NET, C#, and Entity Framework Core, contributing to the development of scalable and efficient cloud-based solutions.
* Utilized Angular CLI for scaffolding, building, and deploying Angular applications, following best practices for code organization, module separation, and dependency injection.
* Created and managed Azure Blobs and developed scripts using U-SQL in the Azure Portal for processing and generating .csv files from text data, optimizing data handling and storage.
* Maintained cloud environment performance and availability in Azure OMS (Operations Management Suite) through Log Analytics, ensuring continuous monitoring and operational efficiency.
* Developed scripts to push data from Cosmos DB output streams into SQL Server databases, enabling seamless data integration and processing across platforms.
* Created and maintained automated testing script libraries using Silk Test, PowerShell, and SQL, ensuring consistent testing coverage and reliability of application components.
* Worked with REST APIs for managing and publishing email templates in SendGrid using C#, enhancing email communication capabilities within applications.
* Managed data import from flat files to SQL Server using SSIS, and utilized Azure for scaling applications and ensuring reliability, contributing to high-performance application deployment and maintenance.
* Developed comprehensive documentation for logging and error handling in SSIS packages, providing clear guidelines for troubleshooting and maintaining data integration processes.
* Created and implemented RESTful Web APIs for lookup services using the MVC architecture, ensuring efficient data retrieval and service integration.
* Addressed major enhancement incidents and new business requirements, providing timely solutions and ensuring the alignment of application functionality with business objectives.

**Environment:** Angular 12/8, TypeScript, HTML5, CSS3, ReactJS, Node.js, REST API, Entity Framework 6.0, Microservices, Azure, GIT, JIRA, Visual Studio 2019, SSIS, PL/SQL, U-SQL, Silk Test, PowerShell, SQL Server, Cosmos DB

**Client: Citizen Bank, Johnston, RI Jan 2015 – July 2017**

**Role: Full stack .Net Developer**

**Project Description:**At Citizen Bank, the focus was on developing and maintaining critical banking applications and services. The role involved extensive work across various technologies to enhance and support the bank’s software solutions. The project aimed at modernizing existing systems, integrating new functionalities, and improving the overall user experience within a highly regulated financial environment.

**Responsibilities:**

* Engaged in coding, programming, testing, and analyzing application software using a diverse set of technologies. Provided ongoing support for existing business systems applications, ensuring their smooth operation and reliability.
* Worked closely with product managers, business analysts, testers, and development teams to deliver solutions in an agile environment. This involved iterative development and frequent collaboration to meet business needs efficiently.
* Collaborated with enterprise architecture teams to make critical design decisions and provide software solutions that align with the organization’s strategic goals and technology standards.
* Developed Web APIs and RESTful services using WCF, enabling data exchange in XML and JSON formats. Implemented API testing using tools like Postman and Swagger to ensure API functionality and reliability.
* Migrated legacy pages from ColdFusion to ASP.NET, facilitating the transition to a more modern and maintainable technology stack. Developed custom data migration solutions using AWS SQS and Lambda, integrating with RDS and DynamoDB to enhance data processing and storage.
* Collaborated with cross-functional teams to define API specifications and standards, ensuring consistency and scalability in REST and SOAP services
* Designed and implemented various screens, modules, events, and classes using C#, VB.NET, ASP.NET MVC, Entity Framework Core, .NET Core, Blazor, Angular 7, and react. Ensured that the application met client requirements and adhered to business rules.
* Implemented automation for application processes and developed microservices using technologies such as Entity Framework Core, RabbitMQ messaging queue, and Web API. This included setting up CI/CD pipelines using Jenkins, Docker, and Kubernetes to streamline deployment and integration processes.
* Developed thin web UIs using ASP.NET MVC4 and React, creating controllers and models with Entity Framework and C#. Enhanced user experience through client-side validations using jQuery and refactored frontend code from Blazor to Angular for improved performance and compatibility.
* Set up and managed AWS cloud environments, utilizing AWS ECS and EKS for Docker image storage and deployment. Implemented IAM roles and MFA for enhanced security, and developed applications with Blazor for reusable UI components.
* Conducted thorough testing and debugging of software applications to ensure they met user requirements and performance expectations. Developed automated testing scripts using Silk Test and PowerShell.
* Designed and maintained complex database structures, writing queries, stored procedures, user-defined functions, and triggers. Applied best practices for database design and optimization using SQL Server, PostgreSQL, and Oracle.
* Utilized Microsoft Azure DevOps for source code version control and project management, ensuring efficient tracking and management of development tasks.
* Security and Compliance: Applied knowledge of banking domain requirements and PCI/PII compliance to ensure that applications adhered to regulatory standards and security best practices.
* Technical Documentation: Produced comprehensive documentation for application standards, production run books, and error handling procedures. Provided detailed technical specifications and user guides to support deployment and ongoing maintenance.

**Environment:** .NET Core, Web API, JavaScript, Azure, Snowflake, Swagger, RabbitMQ, MongoDB, Angular 7, ASP.NET Core MVC, C#, HTML5, CSS3, SQL Server, TFS, Bootstrap, Git, Postman, React, PostgreSQL, Oracle, DevExpress, Blazor, Docker, Kubernetes, AWS (ECS, EKS, IAM).

**Client: HCL (product development), Hyderabad, India May 2012 - Dec 2014**

**Role: .Net Developer**

**Project Description:** The Audit Balance & Controls Framework (ABaC) is a cutting-edge product designed to revolutionize data quality management and standards within organizations. ABaC serves as a proactive solution, empowering organizations to identify and rectify data issues efficiently, thereby ensuring the integrity and reliability of their data assets.

**Responsibilities:**

* Involved in all stages of Software Development Life Cycle including Analysis Design, Coding System Tests Installation and Maintenance.
* Audit Balance & Controls Framework (ABaC) is a product designed to help organizations maintain data quality and standards by proactively identifying and resolving data issues.
* ABaC aims to instill trust in data used for decision-making processes by ensuring its accuracy and reliability.
* The platform optimizes the productivity of data testing teams by automating data discovery, movement control checks, and metrics validation.
* ABaC accelerates the process of identifying data validity, completeness, uniqueness, consistency, timeliness, and accuracy in an agile manner.
* It assists in verifying data completeness and accuracy for both internal decision-making and external regulatory compliance purposes.
* ABaC comprises several components including Access Module, Administrator Module, Database link Module, Test Cases Module, Scheduler Module, and Analytics Module.
* Involved in the development of ABaC using a technology stack that includes C#, ASP.Net, JavaScript, jQuery, XML, MYSQL, SQL SERVER 2012, and Oracle 11g.
* Developed the entire business logic of ABaC using C#.NET and Entity Framework while adhering to SOLID principles for maintainable and scalable code.
* Created interactive user interfaces for ABaC using jQuery and Bootstrap plugins to enhance user experience and responsiveness.
* Played a key role in designing the database schema for ABaC to ensure efficient data storage and retrieval.
* Wrote SQL queries for MySQL database to retrieve, manipulate, and manage data.
* Collaborated with team members to review code and ensure adherence to coding standards and best practices.
* Participated in Agile development practices such as sprint planning, daily stand-ups, and retrospectives.
* Worked closely with stakeholders to gather requirements and translate them into technical solutions.
* Conducted unit testing to verify the reliability and functionality of ABaC features.
* Provided support and troubleshooting assistance during development and testing phases.
* Contributed to the integration of external systems and services to ensure seamless communication and interoperability.
* Documented technical specifications, user manuals, and system diagrams to support knowledge sharing within the team.
* Maintained awareness of emerging technologies and industry trends to inform development practices.
* Assisted in the deployment and maintenance of ABaC applications in production environments.

**Environment:** ASP.Net Version 4, C#, HTML, JavaScript, SQL Server, Bootstrap, ADO.Net, Entity Framework, WCF Services, XML, Java script, J-Query, MY SQL, Visual Studio 2012, TFS.

**Education**

**Master of Arts (MA) in Information Technology Management** – Webster University

**BTECH Civil Engineering** – Geetanjali College of Engineering and Technology