Yamini Suda

Sr Full stack .Net Developer

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**Professional Summary:**

* Over 11 years of strong professional experience in client-server and web-based environment using Microsoft .Net Framework 4.0/ 4.5/4.6 /4.8 including **C#**, **VB.Net**, **ASP .Net**, **ADO .Net**, .**Net Web Services**, **HTML**, **JavaScript**, **CSS**, **LINQ**, **AJAX**, **MVC**, **IIS** and **JSON.**
* Extensively worked on **ASP.NET MVC 3.0/4.0, RAZOR** view engine and **MVVM** design patterns and good experience on **PRISM** framework.
* Experience in building **RESTFUL** services using **ASP.NET Web API** and performing **CRUD** operations.
* Expertise in designing and developing Windows based applications and Web based applications using**.NET Core**, **MVC, ASP.NET, VB.NET, ADO.NET, C#** and **SQL Server**.
* Experience in securing the Restful Web-Apps of the application using Token based authentication methods like **OAuth** and **Json Web Tokens (JWT).**
* Experienced in **designing**, **developing**, **delivering**, and **implementing** data-driven **desktop** and **Web** applications for clients and assisting in the development and maintenance of company Web applications (Internet and Intranet).
* Proficient in writing **SQL Join Statements, Stored Procedures, Functions, Cursors, Packages and Database Triggers using PL/SQL and SQL Server.**
* Experienced in **designing**, **developing**, **delivering**, and **implementing** data-driven **desktop** and **Web** applications for clients and assisting in the development and maintenance of company Web applications (Internet and Intranet).
* Experience with Configuring **Azure Active Directory** Authentication for securing web apps and rest APIs.
* Handful experience in working with **LAMBDA** and **LINQ** expressions and Unit testing the .Net classes using **NUnit** and **MOQ**.
* Demonstrated expertise in developing **Windows desktop applications** using **WinForms** framework, with hands-on experience in designing and implementing user interfaces, business logic, and data management functionalities.
* Developed **Microservices** using **C#** to collect usage data from different data centers to bill clients of their cloud usage.
* Implemented **Kafka** for real-time data processing in a high-throughput financial trading platform, utilizing topics and partitions efficiently.
* Experienced in working with **middleware technologies like Apache Kafka, IBM MQ, and MuleSoft** to facilitate communication and data exchange between distributed systems, ensuring seamless integration and interoperability across heterogeneous environments.
* Experience in using different design patterns like **Singleton, Factory Pattern, MVC, and Façade**
* Utilization and Extensive Experience in Application Design, developing **Use-case diagrams, class diagrams, sequence diagrams using UML and Object-Oriented Programming (OOPS).**
* Experience in working with **LINQ** (LINQ to Object, LINQ to SQL, LINQ to XML, Lambda).
* Experience in Web Services to provide **SOA** architecture with **WCF, WPF, SOAP\REST**, Microservices and Configuration based activation applications.
* Experience in using **Microsoft Team Foundation Sever (TFS)** for code repository, task assignments, and project backlog plan and Various Source Code Management Tools like **VSS** and **GIT**.
* Provided mentorship and guidance to team members on **Terraform** best practices, architecture design, and troubleshooting techniques, fostering knowledge sharing and continuous improvement within the development team.
* Expert in **RDBMS** include SQL Server 2014, R2 and Oracle 11g.
* Proficient in storing and exchanging data using **XML and JSON** formats.
* Proficiency in designing **Single Page Applications (SPA)** with rich UI and responsive features using **JavaScript** and UI frameworks such as **Bootstrap**, **ASP.NET**, **AJAX**, **HTML5**, and **CSS3**.
* Knowledge of using Continuous Integration / Continuous Deployment (CI-CD) tools as **Jenkins**.
* Experience with working with **Azure** DevOps for Development and Deployment of the web application by configuring CICD pipelines in Microsoft **Azure** DevOps for deploying the application to Azure servers.
* Practical experience with several **Azure Paas**, **Azure services**, including **Azure Infrastructure**, **compute**, **storage**, **Azure Active Directory**, **Azure Infrastructure Functions, Active Reports** and **Data Lake store**.
* Experience in working with defect tracking tools like Rally, **JIRA** to track issues and Change Management.
* Involved in creating highly available and scalable infrastructure in **AWS** cloud by using various AWS services like **EC2**, **VPC**, **Auto scaling**, **ELB**, **RDS**.
* Experience with version control tools like **GitHub, bit bucket, and Visual Studio** Team Services (Azure DevOps) and responsible for merging, tagging, and conflict resolution in GIT.
* Worked on **SSRS** to Generate the reports in **Excel** and **PDF** Formats.
* Adapted quickly to changing project requirements and priorities, maintaining productivity, and delivering high-quality solutions on schedule.
* Communicated technical concepts and proposed solutions effectively to both technical and non-technical stakeholders.

**Technical Skills:**

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| --- | --- |
| **Languages** | C#.NET, ASP.NET, VB.NET, Java, Python  |
| **Web & Scripting**  | ASP.NET, JavaScript, HTML5, AngularJS, Angular 14, MVC, ADO.NET, Win forms, AJAX, jQuery, Bootstrap, XML, XSL, JSON, CSS3, Web Services, LINQ, SOAP, REST, React |
| **Web Servers** | Microsoft IIS, XML, WSDL, SOAP, REST |
| **Version Controls** | TFS, GitHub, Bitbucket  |
| **RDBMS** | MS-SQL Server 2014/2015, Oracle PL/SQL, MySQL  |
| **IDE & Tools** | Visual Studio 2017/2019/2022, Notepad++, NUnit, Moq |
| **Design Patterns** | MVC Architecture, shell scripting |
| **Methodologies** |  Agile, Waterfall, TDD, Kanban, Scrum |
| **Protocols** | SOAP, TCP/IP, HTTP, UDP/IP and FTP |
| **Operating Systems** | Windows10, Server/XP, MS Windows Server 2015, RedHat, Linux |
| **Frameworks** | .NET 4.8, Symfony, CodeIgniter |
| **Cloud Services** | AWS, Azure, Docker, Jenkins, Kubernetes, Cosmos DB |

**Professional Experience:**

**Client:** **Southwest Airlines, Dallas, TX AUG 2022 - Current**

**Role: .NET Full Stack Developer**

**Responsibilities:**

* Worked on an **Agile (Scrum)** Development Team to deliver regular updates to business team and project managers.
* Worked with **routing, lazy loading, services, components, directives, pipes, interceptors, http, and reactive forms** to develop the client-side application.
* Developed user interface by using **React JS**, Flux for **SPA** development.
* Implemented react JS code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Used **React-Router** to turn application into Single Page Application
* Worked in using React JS **components**, **Forms,** **Events**, **Keys, Router, Animations and Flux concept**.
* Maintained states in the **stores** and dispatched the actions using **redux**.
* Used React-Autocomplete for creating google map’s location search on the webpage Added **Excel Builder** to download the Tabular data in Excel format using react.
* Designed user-interface pages using **Twitter Bootstrap, custom CSS, HTML, JavaScript/JQuery and JQuery UI**. Set up and maintained software authentication using Central Authentication Service (Ruby CAS).
* Designed and developed the web pages in **ASP.NET** using **C#, MVC** pattern as the code-behind language and **LINQ** as the **SQL** data consumer.
* Extensive knowledge of **WinForms** controls such as buttons, textboxes, list boxes, DataGrid views, and more, along with the ability to customize their appearance and behavior to meet application requirements.
* Developed **Python** scripts to automate data processing tasks and generate reports, improving efficiency.
* Integrated **Python** scripts with C#/.NET applications using libraries like Iron Python for enhanced functionality.
* Utilized **RESTful APIs** and JSON/XML data formats for communication between C#/.NET applications and external systems.
* Developed responsive and visually appealing desktop applications using **WPF** (Windows Presentation Foundation) framework, adhering to MVVM (Model-View-View Model) architectural pattern for clean separation of concerns. Developed and maintained messaging solutions using IBM MQ for seamless communication between distributed systems.
* Implemented message queuing patterns to ensure reliable and asynchronous communication between microservices within the .NET ecosystem.
* Integrated data binding techniques in **WPF** applications to connect user interface elements with underlying data models, facilitating efficient data presentation and manipulation.
* Implemented custom controls and user controls in **WPF** to encapsulate reusable UI components and promote code modularity and maintainability.
* Implemented **fault-tolerant** and resilient **microservices** by incorporating circuit breakers, retries, and graceful degradation strategies.
* Integrated monitoring and observability tools like **Prometheus** and **Grafana** to monitor the health and performance of microservices.
* Utilized **Bootstrap** components and styling to enhance the visual design of web pages and improve overall usability.
* Implemented **Ajax** requests with **jQuery** to enable asynchronous data retrieval and real-time updates, improving the responsiveness of web applications.
* Implemented **SOAP, REST** services and consuming using different protocols by implementing features like Security, Debugging and Performance.
* Conducted comprehensive **security vulnerability assessments** on existing application, identifying and mitigating critical security flaws such as **SQL injection, XSS, and CSRF**.
* Utilized tools like **OWASP ZAP** and **Burp Suite** for dynamic and static application security testing, significantly improving the security posture of applications by proactively identifying and addressing vulnerabilities.
* Implemented robust authentication and authorization mechanisms using **ASP.NET** Identity and **OAuth 2.0,** enhancing the security of user data and ensuring compliance with industry standards.
* Involved in creating highly available and scalable infrastructure in **AWS** cloud by using various AWS services like **EC2, VPC, Auto scaling, ELB, RDS**.
* Designed and developed serverless components using **AWS Lambda and API Gateway**, optimizing resource utilization, and enabling cost-efficient execution of backend services.
* Utilized AWS managed databases such as **Amazon RDS (Relational Database Service)** or Amazon **DynamoDB** to store and retrieve application data securely and efficiently.  Integrated Amazon SNS (Simple Notification Service) to enhance application scalability and reliability by implementing a robust messaging system for distributed services.
* Utilized Amazon **SQS** (Simple Queue Service) for decoupling microservices, ensuring smooth asynchronous processing of tasks and improving application performance.
* Developed .NET Core microservices to publish and subscribe to topics in SNS, enabling real-time notifications and updates across various system components.
* Implemented **SQS** message queues for handling high-throughput, low-latency message processing, leading to improved application responsiveness and fault tolerance.
* Configured and managed **SNS** topics and **SQS** queues, optimizing message delivery and ensuring high availability and durability of messages.
* Collaborated with cross-functional teams to optimize database interactions by fine-tuning **SQL** queries, indexing strategies, and database configurations, resulting in a 20% improvement in application response time and scalability.
* Developed and executed performance tests using **JMeter** for .NET applications, ensuring scalability and reliability of services.
* Integrated **JMete**r tests into CI/CD pipelines using Jenkins, facilitating automated performance testing.
* Created and maintained **JMeter** test scripts for web applications, APIs, and microservices, simulating various user scenarios.
* Created **indexes** on the table for faster retrieval of data to enhance the database performance.
* Developed **unit test** cases for the **UI** with **Karma** and **Jasmine**.
* Created custom **Enzyme** adapters and utilities to extend testing capabilities and improve test coverage
* Integrated Enzyme tests into the CI/CD pipeline to automate test execution and ensure continuous code quality
* Responsible for creating & Managing **Docker ORM** files for creating necessary base images used for automation of build & deployment environments.
* Designed and Developed **Unit and Integration Tests** using **NUnit and Moq** framework to test the Individual pieces of the functionality.
* Developed automated test scripts using C# and **Selenium WebDriver** to validate the functionality of web applications.
* Designed and implemented **BDD** test scenarios using **SpecFlow** for .NET applications, improving collaboration between developers, testers, and business stakeholders.
* Developed and maintained Gherkin-based feature files, ensuring clear and understandable acceptance criteria for user stories.
* Created step definitions and test automation scripts in C#, enabling automated execution of **SpecFlow** scenarios.
* Integrated **SpecFlow** tests with test automation frameworks like **NUnit** and **MSTest,** enhancing test execution capabilities.
* Implemented Page Object Model (POM) design pattern to improve test maintenance and readability.
* Wrote custom test utilities and helper methods to streamline test script development and execution.
* Implemented reports using **Power BI** and **Tableau** for client usage purposes.

**Client: Georgia Department of Labor, Georgia. APR 2020 – JUL 2022**

**Role: .NET Full Stack Developer**

**Responsibilities:**

* Involved in **Requirements Collection**, **Design** & **Analysis** of the Customer Specifications, Development and Customization of the Application.
* Effectively created easy to use, reusable controls and integrated them into **ASP.NET** web pages.
* Controlled overall look and feel of **ASP.NET** web site by defining themes and skins and applying them at page level as well as control level.
* Effectively used **Master pages** to create consistent layout for the **ASP.NET, C#.Net web pages** and merged them with content pages.
* Worked with advanced concepts of **ASP.NET Core MVC** such as **Models and Providers**, **Filters** used for developing backend technology.
* Developed ASP pages using **ASP.NET** web form controls, **ASP.net Ajax, C# and jQuery. Asp.net MVC, HTML 5, Bootstrap, Knockout.JS.**
* Developed Generic classes for **Business Layer** and **Data Access Layer using C#.**
* Built a heavy front-end using HTML/CSS/JavaScript/Bootstrap on top of **.NET MVC.**
* Developed the user interface for back-office support and worked collaboratively in Agile scrum team on the design and development of application based MVC framework using **Angular.js, Bootstrap, HTML 5.0 and CSS3.**
* Developed and assisted in migration of **web application** and took the responsibility of Architecture of the standalone module for the complete migration of the module.
* Utilized Server and Blazor Web Assembly to build interactive and performant web applications tailored to client needs.
* Employed **Blazor's** state management techniques effectively to manage complex application states and improve performance.
* Implemented **authentication** and **authorization** mechanisms using **Blazor's** built-in capabilities or external identity providers.
* Stayed updated with the latest advancements in **Blazor** and .NET ecosystem, continuously improving skills and adopting best practices to deliver cutting-edge solutions.
* Created twelve single-page, secure **responsive web applications** to replace a legacy line-of-business web application.
* Developed various services in **Angular** that consume **Rest services** from the backend written in .NET. Also Utilized reusable components and guards to better accommodate the complete web application.
* Leveraged **Angular** resources for all data access, encapsulating URLs, and standardizing data access interfaces. Created **custom directives** for re-usable components (multi-filed form elements, background file uploads, etc.)
* Developed cross-platform mobile applications using **Angular** and **Capacitor** framework, leveraging web technologies to build performant, native-like experiences.
* Translated design specifications into functional mobile interfaces using Angular components and **Capacitor APIs**, ensuring consistency with design mockups.
* Implemented platform-specific features and native device integrations in Angular applications using **Capacitor plugins**, such as **camera**, **geolocation**, and **push notifications**.
* Translated design mockups from **Figma** into pixel-perfect, cross-browser compatible Angular components and layouts.
* Integrated third-party APIs and services into Angular applications to fetch and display dynamic content, such as RESTful APIs and **GraphQL** endpoints.
* Implemented client-side form validation and error handling in **Angular** forms based on design specifications and user feedback from **Figma** prototypes.
* Extensively used **WCF** service calls to get the data from session and database side into the Silverlight application.
* Designed and implemented RESTful APIs for communication between **microservices,** ensuring scalability and maintainability.
* Utilized event-driven architecture patterns such as **publish-subscribe** and message queuing to enable **loose coupling** between microservices.
* Led a team of **Azure** support engineers in managing and optimizing **Azure VMs**, databases, and networking components.
* Implemented **incident management** procedures, resulting in a **30%** reduction in incident resolution time.
* Identified and addressed performance bottlenecks, improving application response times by **25%**.
* Worked on creating **Azure Blob** for storing unstructured data in the cloud as blobs.
* Proficient in designing and managing globally distributed, highly responsive applications using Microsoft Azure **Cosmos DB**, leveraging its multi-model support, global scalability, and low-latency data access.
* Configured **Azure cloud** service for end point deployment.
* Designed several **Sequential Workflow Libraries** (WWF) for business logic by analyzing business requirement.
* Design responsive and intuitive user interface for the web using **XHTML/CSS and both custom ASP.NET, C# .Net, AJAX scripts.**
* Managed **authorization** using windows groups and using **ASP.NET, VB.Net roles**.
* Skilled in event-driven programming model of **WinForms**, adept at handling user interactions and system events to create interactive and responsive applications with smooth user experiences.
* Proficient in integrating **WinForms** applications with various .NET Framework libraries and APIs to leverage built-in functionalities for tasks such as file I/O, networking, data access, and more, enhancing application capabilities and performance.
* Written **JavaScript** functions for client-side code to implement different functionalities in **events, validation, and listeners.**
* Experienced in designing and implementing efficient **Oracle PL/SQL** code, contributing to streamlined data manipulation, database performance optimization, and reliable business logic.
* Successfully integrated Apache **NiFi** into .NET applications, enhancing data flow processes.
* Developed custom processors in **Apache NiFi** using Java to meet specific business requirements.
* Optimized data flow pipelines in Apache **NiFi** to improve performance and scalability.
* Ensured compliance with security and compliance standards within the release pipelines, including secure credential management and vulnerability scanning.
* Provided support and troubleshooting for release pipeline issues, ensuring timely resolution and minimal impact on development workflows.
* Hands on experience with using/working with **GIT** on Microsoft Azure Platform Service.
* Orchestrated complex deployments using **Terraform** workspaces and state management, ensuring isolation and consistency across development, staging, and production environments.
* Implemented Terraform best practices for security, including **role-based access control (RBAC),** encryption, and secret management, ensuring compliance with security standards and regulations.
* Written and performed test cases using **NUnit, TSS** (test support system) tool to implement Test driven development to reduce bugs and created unit test cases before coding and then write code according to pass the test case.

**Client:** **Morgan Stanley, New York, NY. JAN 2018– MAR 2020**

**Role: Full Stack .Net Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle (**SDLC**) including Analysis, Design, Implementation, Testing and Maintenance.
* Developed Web application using **ASP.Net, ASP.NET MVC5, and C#, Entity Framework, JavaScript, Angular JS, JSON, HTML5, CSS3 and Bootstrap.**
* Involved in Migration of .**Net application to .Net Core**.
* Responsible for making **AJAX** Calls for the UI Interactions to the Controller Actions using **jQuery** and getting the Data back as **JSON** and parsing it onto the **UI**.
* Effectively used **jQuery,** a concise JavaScript Library for traversing **HTML** document, event handling and **AJAX** interactions.
* Developed and maintained **complex banking applications** and **mortgage r**elated software using .NET technologies, ensuring secure and reliable financial transactions.
* Integrated **ACBS** with external systems (e.g., credit bureaus, payment gateways), streamlining operations and improving data flow.
* Automated data migration processes to **ACBS**, reducing manual effort and minimizing errors during system transitions.
* Designed and implemented enterprise-level applications for **loan processing**, **payment processing**, and **account management**, leveraging **.NET Core and ASP.NET MVC**.
* Collaborated with cross-functional teams to gather and analyze business requirements, translating them into technical specifications and scalable **.NET** solutions.
* Utilized Entity Framework and **LINQ** for efficient data access and manipulation, ensuring high performance and reliability of banking applications.
* Integrated third-party financial services APIs, such as payment gateways and credit scoring systems, into .NET applications, enhancing functionality and service offerings.
* Implemented efficient algorithms and **data structures** to process mortgage data in real-time.
* Collaborated with cross-functional teams to integrate mortgage software solutions into existing systems.
* Conducted thorough **testing** and **debugging** to ensure the reliability and performance of mortgage software.
* Optimized database queries and data retrieval processes to handle large volumes of mortgage data.
* Implemented **CRUD** functionality with **Entity** framework in **ASP.NET MVC** and implemented sorting, filtering, and paging with Entity framework in MVC.
* Integrated third-party libraries and components seamlessly into **WinForm**s projects for added functionality.
* Implemented **multi-threading** techniques to improve responsiveness and prevent UI freezing in **WinForms** applications.
* Customized **WinForms** controls and created user controls to meet specific project requirements.
* Developed the reusable framework for the application using the **ASP.NET MVC 4.0/5.0 and Web solutions developed using ASP.NET MVC, Razor and Entity Framework.**
* Used **Entity Framework** Code First Approach to create Models.
* Used **Http Response Exception** to handle the exceptions in Web API and customized the Exceptions using **Exception Filters** and registered them at the Action Level.
* Developed Web Services and invoking them by using **XML, XSL, SOAP and WSDL** for creating proxy classes. Used Web Services (**SOAP, WSDL**) for communicating with other applications and components.
* Used **LINQ** to Entities for retrieving the data efficiently and Just in Time manner.
* Leveraged **WPF's** animation and visual effects capabilities to create engaging and dynamic user experiences, enhancing usability and user satisfaction.
* Implemented **API** integration between C#/.NET applications and external services, enabling seamless data exchange.
* Utilized **RESTful APIs** and **JSON/XML** data formats for communication between **C#/.NET** applications and external systems.
* Developed front-end interfaces using **React.js**, leveraging its component-based architecture for scalable and maintainable web applications.
* Integrated **React.js** with **.NET** back-end systems, facilitating seamless data exchange and communication.
* Utilized **Redux** or other state management libraries to manage application state effectively in complex **React.js** applications.
* Implemented responsive and user-friendly UI components, ensuring optimal user experience across various devices and screen sizes.
* Utilized **React** **hooks** such as useState, useEffect, useContext, etc., to manage component state and lifecycle effectively.
* Implemented unit tests and integration tests using testing libraries like **Jest** and **React** Testing Library to maintain code quality and reliability.
* Created **Tables, Indexes, Views, User defined functions, Triggers, Parameterized Query, Stored Procedures, Constraints and Roles for quick and efficient retrieval of data using SQL Server 2014.**
* Worked Extensively with Query Optimization Techniques to Fetch Data with better **Performance Tuning**.
* Designed and optimized complex **T-SQL** queries, stored procedures, and functions to enhance the performance and efficiency of application.
* Developed and maintained databases in **PostgreSQL**, ensuring data integrity and reliability across various environments.
* Migrated existing databases from **SQL Server** to **PostgreSQL**, reducing licensing costs and leveraging PostgreSQL's advanced features for improved performance.
* Utilized **T-SQL** for data manipulation, reporting, and business logic implementation, streamlining backend processes and supporting application requirements.
* Implemented indexing strategies and query optimization techniques in **PostgreSQL** to enhance database performance and reduce query response times.
* Experience in developing business reports using **SSRS** and Crystal Reports and Experience in SQL Server Integration Services (**SSIS**).
* Used **SSIS** for data transformation from Excel database to **SQL Server 2014 and SSRS** for reporting.
* Performed Unit testing using **NUNIT** from the **Designer GUI** and participated in System Testing.
* Involved in maintaining versions of source code using **TFS (Team Foundation Server**) and experience in Visual safe source handling portability and tracking issues.
* Orchestrated containerized applications using **Google Kubernetes Engine (GKE)** for efficient deployment, scaling, and management in a cloud-native environment.
* Designed and implemented CI/CD pipelines integrating **GKE** with Jenkins/Spinnaker for automated application deployment and continuous delivery.
* Configured and managed **Kubernetes** clusters on **GKE**, including node pools, network policies, and persistent storage solutions, to meet performance and availability requirements.
* Integrated **GKE** with Google Cloud services such as **Cloud Logging**, **Cloud Monitoring**, and Stack driver Trace for comprehensive application monitoring and troubleshooting.
* Experience with container-based deployments using **Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.**
* Used **Jenkins** pipelines to drive all micro services builds out to the Docker registry and then deployed to **Kubernetes.**
* Involved in development of the test environment on Docker containers and configuring the **Docker** containers using **Kubernetes**.
* Used **AGILE SCRUM** methodology to deliver in sprints and Status Meetings, Code Review Meetings.
* Supported Operations team during the **deployment** and **troubleshooting** the production issues during deployment and on regular basis.

**Client: Cian InfoTech, Bangalore, India. JUL 2012 - DEC 2016**

**Role: .Net Developer**

**Responsibilities:**

* Designed and developed custom software solutions for clients using **ASP.NET, C#, and SQL Server**, tailored to meet their specific requirements and business needs.
* Implemented responsive web design techniques using **HTML, CSS, and JavaScript** frameworks to create intuitive user interfaces and enhance user experience.
* Used **ADO.Net** to store, manipulate and retrieve data from **SQL Server DB**. And database transactions were achieved **through Dataset, Data view, Data Reader, and SQL Data Adapter**.
* Configured **SQL Server Integration Service (SSIS)** for scheduling database backup and Implemented indexing for various tables in the database for improving the performance of the application.
* Created client-based data sheet download from the external Applications and process according to the local plant business logic in Comp Converter system.
* Conducted **load testing** and **performance tuning** of **API** integrations in **C#/.NET** applications to handle high traffic loads.
* Upgraded project from Windows application to web application full implementation. Developed Multitier application with separation of **Presentation layer, Business logic layer and data base layer**.
* Created auto email alert notification module for client and advisor to send auto email notification.
* Implemented **RESTful APIs** to integrate with external systems, enhancing functionality and data exchange capabilities.
* Designed and implemented **WinForms** based modules for data management, including **CRUD** operations.
* Utilized advanced controls such as DataGrid View, List View, and Tree View to visualize and manipulate data effectively.
* Integrated third-party libraries and components seamlessly into **WinForms** projects for added functionality.
* Implemented **multi-threading** techniques to improve responsiveness and prevent UI freezing in **WinForms** applications.
* Customized **WinForms** controls and created user controls to meet specific project requirements.
* Integrated third-party **APIs** and services into applications to extend functionality and streamline workflows.
* Developed and maintained database **schemas, stored procedures, and SQL queries** to manage and manipulate data efficiently.
* Documented technical specifications, **system architecture**, and **user manuals** to facilitate knowledge sharing and ensure maintainability.
* Collaborated with stakeholders to gather and analyze requirements, design solution architectures, and define project scope and objectives.
* Provided technical support and **troubleshooting** assistance to clients, resolving issues promptly and effectively to minimize downtime.

**EDUCATION**

**Bachelor’s from JNTUH** in **Electrical and Electronics Engineering Aug 2008 – May 2012**