**PROFESSIONAL SUMMARY:**

* Over **9+** years of experience focusing in the analysis, design, development, and implementation of diverse **.Net** solutions.
* Proficient in requirement gathering, system design, and **Agile** processes, daily scrums and sprint planning sessions.
* Skilled in developing secure login pages, using **MVC, C#.NET, Entity Framework**, and enhancing data processing.
* Expert in designing **WinForms** with **C#.NET, VB.NET, .NET Core** for desktop solutions with security features.
* Experienced in developing and deploying **Web Services** with **ASP.NET, SOAP,** and **XML** for document scanning.
* Integrated **messaging** **queues** and event-driven architecture for asynchronous communication with **microservices**.
* Proficient in implementing **Apache Kafka** for real-time data streaming and processing in **.NET** applications.
* Experienced in optimizing performance of **.NET** applications through distributed message processing and handling.
* Experienced in developing **RESTful** & **SOAP** **web** **services** for seamless communication between systems.
* Expert in **Swagger** for **API** documentation and automatic generation of client libraries in .NET applications
* Skilled in developing **APIs** to facilitate communication, for high performance and robustness in application architecture.
* Experienced in engineering **REST-based** **APIs** to streamline **UI**, facilitating seamless data flow.
* Proficient in implementing **OAuth2** authentication to secure **API** endpoints and control access to resources.
* Experienced in **JSON** compatibility for data exchange and interoperability between systems in .NET projects.
* Skilled in utilizing **ORM** frameworks like **Entity Framework, LINQ,** and **ADO.NET** for efficient data access.
* Proficient in **data access layer** operations using **ADO.NET, Entity Framework** to improve data retrieval, manipulation.
* Proficient in **ASP.NET Master Pages, jQuery, HTML** and **CSS** for designing responsive and intuitive **UI**.
* Expert in developing reusable **UI** components using **React** for consistency, enhancing user experience & maintainability.
* Experienced in developing dynamic web applications using **Angular** and **React.js**, ensuring integration with backend.
* Architected enterprise-grade **SPAs** using **Angular**, ensuring modularity and reusability of components.
* Expert in **state** **management** architecture using **Angular** **NgRx**, optimizing for scalability and maintainability.
* Skilled in seamlessly integrating **React** components to enhance user interfaces and interactivity.
* Proficient in implementing **TypeScript** with **React** components to enable type checking in .NET ecosystems.
* Proficient in **Docker** for containerization and **Kubernetes** for orchestration to deploy, manage, and scale applications.
* Experienced in designing and deploying scalable applications on both **Azure** and **AWS** platforms.
* Implemented monitoring and logging using **AWS CloudWatch, CloudTrail,** and **X-Ray** for full-stack visibility.
* Managed **complex** **identity** and **access** **management** using **AWS** **IAM** roles, policies, and federated identities.
* Proficient in leveraging **Azure** and **AWS** for efficient **microservices** architecture, **CI**/**CD** pipelines, and cloud solutions.
* Skilled in integrating **.NET** applications with **Azure** and **AWS** enhancing performance, security, and reliability.
* Configured advanced monitoring and alerting systems using **Azure Monitor, Application Insights,** and **Log Analytics**.
* Utilized **Azure API Management** to design, secure, and monitor scalable **APIs** for enterprise applications.
* Architected and managed large-scale, distributed **NoSQL** databases using **MongoDB**, optimizing for performance.
* Deployed and managed **MongoDB** clusters using **MongoDB** **Atlas**, ensuring high availability and disaster recovery.
* Designed and optimized complex **relational** **database** schemas and data models, ensuring scalability and data integrity.
* Developed **SQL** **queries**, **stored** **procedures**, and functions to support data manipulation, reporting, and business logic.
* Implemented **indexing** strategies, partitioning, and **query** **optimization** techniques to enhance database performance.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Agile/Waterfall** | Requirement Gathering, System Design, Agile, Daily Scrums, Sprint Planning |
| **MVC Architecture** | MVC Design Patterns, WebForms Architecture |
| **.NET Technologies** | C#, ASP.NET, ASP.NET MVC, ASP.NET Web API, .NET Framework, .NET Core |
| **Web Services** | RESTful Web Services, SOAP Web Services, Web Services with ASP.NET |
| **Data Access** | Entity Framework, ADO.NET, ORM Frameworks, SQL Queries, Stored Procedures |
| **Clouds** | AWS, Azure |
| **Data Interchange** | JSON, XML, XUnit |
| **Database Management** | SQL Server, MongoDB, SQL Server Management Studio, TFS, SVN |
| **Testing** | XUnit, Jenkins, Postman, SOAP UI |
| **Documentation** | Swagger, Swagger UI, SonarQube, Linting |
| **Frontend Development** | HTML, CSS, Bootstrap, React, React JS, TypeScript, Angular |
| **Backend Development** | Apache Kafka, Microservices Architecture |
| **Security** | OAuth2 Authentication, API Security, JSON Web Tokens (JWT) |
| **Logging** | Log4Net |
| **Containerization/orchestration** | Docker, Kubernetes |

**PROFESSIONAL EXPERIENCE:**

**Client: California ISO, Folsom, CA Feb 2020 – Present**
**Role: Sr. Full stack .NET Developer**
**Responsibilities:**

* Led requirement gathering, system design, and **agile** development processes, enhancing project efficiency.
* Developed secure login pages and application security features using **MVC**, **C#.NET**, **.NET Core** and **Entity Framework**.
* Employed **ASP**.**NET** **MVC** Page Controller pattern to enhance functionality and user interactions.
* Proficiently utilized **ASP.NET** **MVC** to enhance **UI**, with **AJAX**, **CSS**, and **JavaScript** for dynamic data presentation.
* Engineered **REST**-based **APIs** to streamline **UI** systems, facilitating seamless data flow with **JSON** input streams.
* Developed and maintained **RESTful** and **SOAP** web services for seamless communication between systems.
* Developed **APIs** in .**NET Core** to facilitate seamless communication between software components.
* Implemented **Microservice** architecture, using **Azure** for scalable and deployable Identity **Microservices**.
* Implemented **OAuth2** authentication to secure **API** endpoints and control access to resources.
* Integrated messaging queue and event-driven architecture using **Apache** **Kafka** for asynchronous communication.
* Implemented **Apache** **Kafka** integration for real-time data streaming and processing in .**NET** applications.
* Performed database operations using **Entity** **Framework**, **LINQ**, and **ADO**.**NET** for efficient data retrieval and access.
* Integrated **Angular** components into .**NET** applications to enhance user interfaces and interactivity.
* Developed reusable **UI** components using **Angular** for consistent design and functionality across .**NET** projects.
* Utilized **Angular** **JS** to build interactive user interfaces for .**NET** web applications.
* Implemented **Angular** lifecycle methods to manage component initialization, rendering, and updates.
* Developed **HTML** mark-up for web pages in .**NET** applications, ensuring accessibility and **SEO** best practices.
* Utilized **Typescript is** static typing to catch errors early and improve code reliability in .**NET** projects.
* Structured semantic **HTML** elements to enhance the readability and maintainability of .**NET** web pages.
* Styled **HTML** elements and **Angular** components using **CSS** to achieve desired visual designs in .**NET** projects.
* Implemented **CSS** pre-processors like **Sass** or Less to enhance code maintainability and organization.
* Integrated **Bootstrap** into .**NET** applications to leverage its pre-built **UI** components and responsive grid system.
* Customized **Bootstrap** styles and components to align with project design requirements in .**NET** projects.
* Developed frontend logic and behaviour using **Typescript** to enhance code maintainability and scalability.
* Utilized **AWS** Elastic Beanstalk to host and manage **.NET** applications, ensuring high availability and scalability.
* Developed serverless solutions with **AWS** Lambda and **AWS** Step Functions to automate workflows and reduce costs.
* Managed identity and access control with **AWS** Identity and Access Management **(IAM**), for security measures.
* Configured **AWS** for **CI/CD** pipelines using **AWS** Code Pipeline to automate the build, test, and deployment processes.
* Developed **SQL** **queries, Triggers, Views** and **stored procedures** to interact with relational databases.
* Utilized **SQL Server Analysis Services (SSAS)** to build **OLAP** cubes for advanced analytics and reporting.
* Implemented high availability and disaster recovery solutions **with SQL Server Always On** Availability Groups.
* Designed and implemented **NoSQL** data models to store and retrieve data efficiently.
* Secured **MongoDB** **deployments** with role-based access control, encryption, and auditing to protect sensitive data.
* Utilized **MongoDB** **Change** **Streams** to build real-time, event-driven applications and **microservices**.
* Integrated **NoSQL** databases with .NET applications using appropriate drivers and libraries.
* Utilized Postman and **SOAP** **UI** for **API** testing and validation in .**NET** projects.
* Integrated Swagger **UI** for **API** documentation and testing in .**NET** applications.
* Implemented **SonarQube** for code quality analysis and Linting for code style consistency in .NET projects.

**Environment**: Agile, MVC , C#.NET, Entity Framework, Microservice , AWS , ASP.NET, SOAP, XML, Cassandra, ASP.NET MVC, AJAX, CSS, JavaScript, JSON, Apache Kafka, RESTful APIs, SOAP Web Services, Entity Framework, LINQ, ADO.NET, ADO.NET Entity Framework, OAuth2, Angular , Angular JS, HTML, CSS , TypeScript, SQL, PostgreSQL, NoSQL, MongoDB, SOAP UI.

**Client: State Street, Boston, Massachusetts Nov 2017 – Jan 2020
Role: Sr. Dot Net Developer
Responsibilities:**

* Utilized **Agile** methodology, **Scrum** for rapid delivery of high-quality software, aligning with customer needs and goals.
* Designed and developed enterprise-level applications using **C#.NET, .NET Core**, **SQL** Server, **XML**, **WinForms**, and **WPF**.
* Enhanced user experiences and streamlined data operations utilizing **ASP**.**NET**, **C#.NET, .NET Core,** and **ADO**.**NET**.
* Spearheaded the development of robust web applications and deployed **ASP**.**NET** applications on **IIS**.
* Developed web-based applications, including the **Pulse** platform, utilizing **ASP**.**NET** **MVC** and **RESTful** **API** invocation.
* Employed **ORM** **frameworks** such as **Entity** **Framework** to abstract database interactions and simplify data access.
* Developed **RESTful** **APIs** for communication between **microservices**, ensuring loose coupling and scalability.
* Designed **RESTful** and **SOAP** **APIs** using **.NET** **frameworks** to expose functionality and data to external systems.
* Enhanced **API** security by implementing secure **OAuth2** and **Identity** for ensuring encryption and validation.
* Implemented **microservices** architecture to decompose monolithic applications as independently deployable services.
* Managed token-based authentication using **JWT** (**JSON** **Web** **Tokens**) in .**NET** environments to ensure security.
* Migrated legacy applications from **VB** to **VB.NET**, preserving business logic and boosting performance.
* Conducted code reviews and refactoring to improve the maintainability and scalability of **VB**.**NET** codebase.
* Integrated **VB**.**NET** applications with databases using **ADO.NET**, **Entity** **Framework** for data access and manipulation.
* Conducted performance tuning and optimization of **Apache** **Kafka** to ensure efficient message processing and delivery.
* Collaborated with cross-functional teams to implement **Kafka** for event sourcing and stream processing.
* Implemented **Kafka** Connectors to integrate .**NET** applications with data sources and sinks for seamless data flow.
* Engineered **SOAP** and **REST** **APIs**, optimizing code quality, deployed on **Cloud Foundry,** **AWS** **S3**, and **Kubernetes**.
* Managed state and data flow within **React** applications to ensure efficient rendering and performance.
* Implemented **React** **Router** for client-side **routing** and **navigation** in .**NET** **web** applications.
* Incorporated **Redux** for state management in **React** **JS** applications within the .**NET** ecosystem.
* Created **custom** **middleware** and enhancers for **Redux** to streamline business logic and side effects.
* Leveraged the **Context** **API** and **custom** **hooks** for effective global state management and cross-cutting concerns.
* Optimized component rendering and application performance using **React.memo, useMemo,** and **useCallback.**
* Collaborated with frontend and backend teams to integrate **React** **JS** components into .**NET** projects seamlessly.
* Conducted **React** optimization and performance tuning to improve loading speed and rendering efficiency in web pages.
* Utilized **Bootstrap's** **JavaScript** plugins for enhanced functionality and interactivity in .**NET** web applications.
* Ensured compatibility and integration of **Bootstrap** with **React** and **TypeScript** code in .**NET** environments.
* Integrated **TypeScript** with **React** to enable **type-checking** and improved developer experience in .**NET** ecosystems.
* Managed **TypeScript** compilation and configuration to ensure integration with .**NET** backend services and **APIs**.
* Utilized **Azure** App Services to host and manage .NET applications, ensuring high availability and scalability.
* Developed **serverless** solutions with **Azure Functions** and **Logic Apps** to automate workflows and reduce costs.
* Managed identity and access control with **Azure Active Directory**, implementing enterprise-grade security measures.
* Configured **Azure** for **CI**/**CD** pipelines to automate the build, test, and deployment processes for .NET applications
* Utilized **test-driven development** practices for iterative improvement to ensure maximum code coverage.

**Environment**: Agile Methodology, Test-Driven Development, Scrum, C#.NET, SQL Server, XML, Windows Forms, WPF, ASP.NET, ADO.NET, IIS, ASP.NET MVC, RESTful API, Microservices , VB.NET, Entity Framework, Apache Kafka, Kafka Connectors, SOAP API, REST API, ORM Frameworks, Security Practices, Authentication Mechanisms, JWT, React, React Router, Redux, HTML5, CSS, Bootstrap, TypeScript, Azure.

**Client: TATA AIG General Insurance Company Limited, Mumbai, India Apr 2016 – Sep 2017
Role: .Net Developer
Responsibilities:**

* Managed project workflows and adapted **Waterfall** methodologies to meet requirements, ensuring successful delivery.
* Designed and implemented **MVC** architecture to enhance maintainability and scalability of .**NET** applications.
* Developed and maintained **WebForms** for interactive web applications, optimizing server-side event handling.
* Utilized various .**NET** technologies, including **C#,** ASP**.NET**, for building robust and scalable applications.
* Developed **RESTful** **Web** **Services** using .**NET** **frameworks** for seamless client-server communication.
* Implemented **SOAP** **Web** **Services** to facilitate interoperability between distributed systems using .**NET** technologies.
* Utilized **Entity** **Framework** for **ORM** to simplify data access and manipulation, enhancing productivity in applications.
* Implemented **ADO**.**NET** for efficient data access, ensuring secure interactions with **SQL** Server and other data sources.
* Utilized **JSON** for lightweight data interchange and **XML** for structured data representation in .**NET** applications.
* Implemented **XUnit** for automated unit testing, ensuring code quality and reliability in .**NET** projects.
* Leveraged **Visual** **Studio** as the primary **IDE** for .**NET** development, streamlining coding and debugging processes.
* Developed .**NET** applications using Visual Studio Code, enhancing cross-platform development capabilities.
* Managed **SQL** Server databases using **SQL** Server Management Studio for administration and performance tuning.
* Utilized **TFS** and **SVN** for version control and collaboration, ensuring effective source code management.
* Implemented **Jenkins** for **CI**/**CD** pipelines, automating builds and deployments in .NET development projects.
* Developed and maintained **SQL** databases in .NET applications, optimizing performance and data retrieval.
* Managed **MongoDB** for flexible data storage and retrieval, leveraging **NoSQL** capabilities in .**NET** environments.
* Integrated **Log4Net** for logging and error tracking, facilitating troubleshooting and analysis in .**NET** applications.
* Collaborated with cross-functional teams to implement robust solutions, ensuring project success across environments.

**Environment**: Agile, Waterfall , MVC , WebForms Architecture, C#, ASP.NET, RESTful Web Services, SOAP Web Services, Entity Framework, ADO.NET, JSON, XML, XUnit, Visual Studio, Visual Studio Code, SQL , TFS, SVN, Jenkins, SQL Server, MongoDB, Log4Net.

**Client: Yashoda Hospitals**, **Hyderabad, India July 2014 – Mar 2016
Role: .Net Developer
Responsibilities:**

* Adapted **Waterfall** methodologies, ensuring project delivery and facilitating team communication and collaboration.
* Implemented **MVC** architecture for maintainability, leveraging design patterns for streamlined development.
* Developed and maintained **WebForms** architecture, enhancing user interfaces and handling server-side events.
* Utilized **C#**.**NET**, to develop robust applications and stay updated with industry advancements.
* Developed **RESTful** **Web** **Services** for client-server communication. Implemented **SOAP** **Web** Services for interoperability between distributed systems.
* Implemented **JSON** and **XML** for lightweight data interchange and structured data representation in .NET applications.
* Utilized **XUnit** for automated unit testing to ensure code quality and reliability in past projects.
* Leveraged **Visual** **Studio** and **Visual** **Studio** Code **IDEs**, streamlining development and enhancing productivity.
* Managed databases using **SQL** Server Management Studio, optimizing performance and application functionality.
* Utilized **TFS** and **SVN** for version control and collaboration, ensuring effective code management and project tracking.
* Implemented **Jenkins** for **CI**/**CD** pipelines, automating builds and deployments to streamline development workflows.
* Developed and maintained **SQL** databases and managed **MongoDB** databases for flexible and scalable data storage.
* Integrated **Log4Net** for centralized logging and error tracking, facilitating troubleshooting and analysis in past projects.

**Environment**: Agile, Waterfall, MVC , C#,.NET, RESTful Web Services, SOAP Web Services, JSON, XML, XUnit, Visual Studio, Visual Studio Code, SQL Server Management Studio, TFS, SVN, Jenkins, SQL Server, MongoDB, Log4Net.

**EDUCATION:** Jawaharlal Nehru Technology University, Hyderabad, TS, India

 BTech in Computer Science and Engineering, June 2010 - May 2014