**Sr .NET Full Stack Developer**

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**Professional Summary:**

* Over 10+ years of extensive experience in all phases of Software Development Life Cycle **(SDLC),** including design, development, testing and deployment of client-server architecture applications.
* Proficient in building Web Applications using HTML5, XHTML, XML, AJAX, JavaScript (jQuery, Angular, React, Vue.js), Bootstrap, Tailwind CSS3 and Material UI in a Client/Web Server environment.
* Refactored legacy applications from **Classic ASP**, **VB6**, and **WinForms** to modular .NET Core-based microservices.
* Experienced in **Object Relational Mapping** (ORM) using **ADO.NET, Entity framework, LINQ, and Lambda** expressions.
* Designed and implemented **N‑tier** applications separating UI, service, domain, and data access layers to improve testability and maintainability.
* Built web applications **using .NET Framework 1.x–8 and Visual Studio 2003–2019,** applying OOPand SOLID principles.
* Configured and managed **Autofac** as the IoC container to enable clean architecture and loose coupling.
* Developed highly interactive UIs using **ReactJS**, **Angular (v2 to v18)**, **Vue.js**, **NgRx**, **Blazor (Server/WebAssembly)**, and **Razor**.
* Built **enterprise-grade reusable React components and UI libraries**, ensuring consistency and scalability across multiple business modules.
* Implemented **Redux-Saga middleware** to manage asynchronous operations, complex side effects, and improve state management in large-scale React applications.
* Proficient domain knowledge in **Healthcare**, **Telecommunication** and **E-commerce.**
* Skilled in hybrid mobile application development using **IONIC, React Native, and PhoneGap for Android, iOS, and mobile web platforms.**
* Designed and managed databases using **SQL Server (2008–2022)**, **Oracle (10g/12c)**, **PostgreSQL**, and **MongoDB**.
* Proficient in multithreading, asynchronous programming (async/await), and client-server architecture for building scalable, high-performance systems.
* Extensive experience integrating third-party APIs to extend application functionality and improve system interoperability.
* Adept at implementing secure authentication, logging, and implemented using **UAA, Key Clock, OAuth 2.0, JWT, Active Directory, Log4Net, and Microsoft MVC Key Vault.**
* Extensive experience in **Microservices architecture** and building **RESTful** and **SOAP APIs** to improve scalability and performance.
* Experience with Microsoft Azure, including **Azure Functions, Azure Service Bus, Azure Logic Apps, Azure DevOps, Azure App Services, and Azure SQL Database.**
* Hands-on experience with **CI/CD** pipeline automation using **Jenkins, Azure DevOps,** and MS Build for reliable deployments.
* Experienced with containerization using **Docker, orchestration Kubernetes**, and deployment with **Amazon EC2** **Container Services** and **Azure Kubernetes Services (AKS).**
* Skilled in using message brokers like **RabbitMQ**, **Kafka** and **SignalR** for real-time communication and enhanced application responsiveness.
* Integrated **MSMQ** with Windows services and web applications to decouple components and level load.
* Proven ability to lead and mentor teams in software development best practices, ensuring timely delivery of high-quality software solutions.
* Strong understanding of asynchronous programming using async/await for non-blocking I/O and scalable API performance.
* Proficient in **Agile** software development methodologies, including **SCRUM,** Test-Driven Development **(TDD),** and Behavior-Driven Development **(BDD).**
* Experienced with version control tools like **Git, GitHub**, and **Bitbucket**, as well as project management tools such as **TFS, JIRA**, **SharePoint,** and **Confluence**.
* Implemented **Infrastructure as Code (IaC)** practices with **Terraform** for environment provisioning, scaling, and security hardening.
* Proficient in creating unit and integration tests using frameworks such as **NUnit, XUnit, Jasmine, Karma**, and **MS Test** to ensure robust and reliable code.
* Skilled in optimizing application performance and scalability through caching strategies, query optimization, and resource management.
* Proven track record of collaborating with cross-functional teams to gather business requirements, design solutions, and deliver innovative software that exceeds client expectations.
* Documented and communicated technical specifications, workflows, and system designs using Visio (architecture diagrams), Word (functional/technical specs), and Excel (data models, trade flow mappings) to ensure alignment between developers, trading desk, and middle office teams.
* Participates in code reviews to ensure compliance with development standards and system/business requirements.

**Technical Skills**

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| **Web Scripting Languages:** | JavaScript, TypeScript, JSON, jQuery, CSS, HTML, XML, DHTML |
| **Web Technologies:** | AJAX, JavaScript ES6, HTML5, jQuery, CSS3, Bootstrap, Redux JS |
| **Programming Languages:** | C#, .NET, VB.NET, JavaScript, Bootstrap, TypeScript, NodeJS. |
| **Operating systems:** | Linux/Unix, Windows, Mac OSX |
| **UI Frameworks:** | Angular V4 - V18, Vue.js, ReactJS, React native,Blazor. |
| **Message Queues:** | RabbitMQ, Kafka, SignalR |
| **Testing Tool:** | MS-Test, N unit, Mocking, Unit Test, Jasmine. |
| **.NET Technologies** | Microsoft .NET Framework 4.6/4.5, ASP.NET .NET Core, ADO.NET, LINQ, WCF, WPF, Entity Framework |
| **Versioning Tools:** | GIT, Subversion, perforce |
| **Databases:** | MySQL, SQL Server 2008, T-SQL, MongoDB, Oracle,PostgreSQL |
| **Cloud Platforms:** | AWS (EC2, S3, Lambda), Azure (Azure Computing, Storage) |
| **Build & Deployment Tools:** | TFS builds, GIT, Jenkins, Docker, Kubernetes, AWS EC2, EKS, Gradle |
| **Authentication Tools:** | Active directory (AD), Cloud Foundry, UAA, Key Clock, OAuth, SSO |
| **IDE:** | Microsoft Visual Studio, Visual Studio Code, Visual Basic, SSMS |
| **Agile Tools:** | Jira, Rally, Confluence, TFS, Asana |

**Education:**

* Bachelor of Technology from Acharya Nagarjuna University in 2014(Computer Science and Engineering)
* Masters from Wright State University in 2021(Computer Science)

**Professional Experience:**

**Client: Mckesson – Irving, TX. Oct 2023 – Till Date**

**Role: Senior .NET Full stack Developer**

**Summary:**

Engaged in developing a healthcare claims automation platform that streamlines claim submission, validation, and adjudication processes. The solution provides tailored dashboards for stakeholders, ensures secure handling of sensitive patient data, and complies with healthcare regulations. This initiative has improved efficiency, reduced claim denials, and enhanced the overall experience for providers and payers.

**Responsibilities:**

* Built a **responsive Angular front-end** with **reusable components, services, and modules** to support claim submission, tracking, and adjudication workflows.
* Implemented **dynamic forms** using **Angular Reactive Forms** with **real-time validation** and **error handling**.
* Integrated **Angular** with **.NET Core APIs** using **HTTP Interceptors** for **secure communication** and **JWT token handling**.
* Developed **role-based UI controls and dashboards** to provide tailored views for **providers, payers, and administrators**.
* Designed and implemented **N‑Tier** solutions separating UI, service layer, domain, and data access using **ASP.NET/.NET Core**, **Web API**, and **Entity Framework** enforced loose coupling via Autofac IoC.
* Designed **RESTful ASP.NET Core** (**.NET 6**) Web APIs with Clean Architecture, **SOLID**, and **Dependency** **Injection**.
* Implemented authentication/authorization with **OAuth2**/**JWT**, **role/**claim-based policies, input validation, and **XML/JSON** threat protection.
* Designed relational schemas and built **EF Core/LINQ** data access, optimizing **SQL Server** with targeted query and index tuning.
* Introduced **DTOs** and **AutoMapper** to decouple contracts from entities, reducing regression risk during schema changes
* Created **stored procedures and triggers using T-SQL and PL/SQL** for backend integration with **Azure SQL**.
* Implemented **asynchronous processing** with **Kafka** for batch claim submissions and background validation jobs.
* Implemented **Microsoft Message Queuing** for reliable asynchronous communication between distributed services.
* Secured sensitive PHI/PII data through **JWT-based authentication, encryption at rest/in transit, and role-based access control (RBAC)** ensuring **HIPAA compliance**.
* Defined and implemented application security(**RBAC,Active Directory,SSO, Keycloak**) with enterprise systems, including secure access for **Angular** frontends.
* Deployed and monitored services on **Azure Cloud** with **App Services, Azure Functions, and Application Insights** for scalability and observability.
* Implemented **CI/CD pipelines in Azure DevOps** for automated builds, tests, and deployments, ensuring faster and reliable releases.
* Applied **Terraform workspaces** to manage multi-environment deployments (dev, QA, staging, production).
* Built custom **Grafana** panels to track business KPIs such as claims processed per minute and adjudication success rates, directly tying application performance to business outcomes.
* Implemented **logging, tracing, and monitoring** with **ELK Stack, Splunk, and Datadog**, integrated with Grafana dashboards.
* Conducted performance reviews using **Dynatrace** and **Grafana** insights, prioritizing optimization tasks that led to measurable improvements in platform reliability and responsiveness.
* Achieved a **25% reduction in claim denials** and **30% improvement in processing time** by streamlining validation rules and automating workflows.
* Participated in **Agile** delivery cycles, depending on module requirements, and tracked progress via **JIRA** and **Confluence**.
* Followed **DevOps best practices** by integrating **GitHub**, **TFS**, **Jenkins**, and **automated testing** frameworks.

**Environment: ASP.NET Core, Microservices, Swagger, Kafka, MSSQL, Angular v18, HTML5, CSS3, Postman,** Jenkins, **Azure DevOps, JIRA, Docker, Azure Functions, Azure AD, SSO, GIT, Visual Studio 2022, & Visual Studio Code**

**Client: IDB Bank – NYC, NY. Aug 2021 – Sep 2023**  **Role:** **FullStack.NET Developer**

**Summary:**

Contributed to the development of a secure and scalable banking platform that enables customers to manage accounts and track transactions in real time. The solution improved operational efficiency, reduced errors, and provided an enhanced user experience across both web and mobile platforms. This initiative also strengthened compliance and reliability, ensuring smooth handling of high-volume financial transactions.

**Responsibilities:**

* Developed a **responsive React.js web application** and **React Native mobile app**, using **component-based architecture**, **React Router**, **Redux**, and **RxJS** for **real-time transaction tracking**.
* Built and integrated **.NET Core Web APIs** and **GraphQL services** for **secure, scalable communication** between frontend and backend systems.
* Designed and optimized **SQL Server databases** with **indexes, stored procedures, and performance tuning** to efficiently manage **high-volume banking transactions**.
* Implemented **microservices architecture** using **ASP.NET Core**, including **transaction processing, account management, and notification services**, with **asynchronous messaging** via **RabbitMQ and Kafka**.
* Implemented **server-side pagination, filtering, and sorting** in APIs to handle **large transaction volumes efficiently**.
* Optimized microservices performance by implementing caching strategies, **async/await** patterns, and background jobs for high throughput.
* Ensured **security and compliance** with **OAuth 2.0, JWT, role-based access control (RBAC)**, and **Active Directory (AD) integration** for authentication and authorization.
* Developed **real-time transaction updates** using **SignalR** for web and mobile clients.
* Leveraged **AWS CloudWatch and Application Insights** for **monitoring, logging, and alerting** of microservices and APIs.
* Enhanced monitoring by integrating **Datadog and CloudWatch** to track microservice performance.
* Deployed applications on **AWS Cloud** using **EC2, S3, Lambda, API Gateway, and DynamoDB**, ensuring **scalability, reliability, and monitoring**.
* Implemented **CI/CD pipelines** with **Jenkins and AWS CodePipeline** for automated builds, testing (**XUnit/NUnit for backend, Jest for React frontend**), and deployments.
* **Integrated the platform with AWS (where needed) using S3, RDS, and DynamoDB for data synchronization.**
* Containerized applications using **Docker** and orchestrated deployments with **Kubernetes** for **high availability and auto-scaling**.
* Collaborated with **Project Managers, QA Analysts, and business stakeholders** to gather requirements, develop **Proof of Concepts (POCs)**, and deliver **customer-facing solutions**.
* Achieved **30% faster transaction processing**, **reduced manual errors by 20%**, and improved **user satisfaction** through intuitive UI and real-time updates.

**Environment:** .NET Core, .NET Framework, ASP.NET MVC, RESTful Web Services, Microservices, React.js, React Native, Redux, HTML, CSS, XML, JSON, Bootstrap, Material UI, Docker, Kubernetes, IIS, Jenkins, Active Directory (AD), UAA, Key Cloak, Git, JIRA, Visual Studio, Visual Studio Code, RedHat, MySQL, Swagger, Postman.

**Client:** **CenturyLink – Monroe, LA.**  **Jun 2020 – Apr 2021**

**Role:** **.NET Developer**

**Summary:**

Worked on developing and modernizing an e-commerce platform to improve performance, reliability, and customer experience. The project involved streamlining billing processes, enhancing security, and making the system more scalable and user-friendly. The modernization effort reduced operational challenges, improved efficiency, and supported faster delivery of new features.

**Responsibilities:**

* Designed and developed **.NET Core and ASP.NET MVC applications** to support billing workflows and MES-driven process automation.
* Integrated **MES modules with e-commerce and billing systems**, enabling automated order processing, traceability, and real-time monitoring of transactions.
* Built **APIs and services** to synchronize data between MES, ERP, and SQL Server databases, ensuring consistency and reliability across platforms.
* Developed **dashboards and monitoring tools** for MES workflows, providing visibility into process performance, exceptions, and KPIs.
* Automated manual billing workflows through MES-style orchestration, improving operational efficiency and reducing errors.
* Conducted **SQL Server performance tuning** to optimize MES–billing data exchanges, stored procedures, and reporting queries.
* Applied **Data Annotations and Model Binding** for input validation, ensuring secure and error-free user interactions.
* Utilized **Entity Framework with MVC** for ORM, enabling CRUD operations and LINQ-based data access.
* **Developed and maintained legacy applications in VB.NET for e-commerce solutions.**
* **Migrated VB.NET applications to .NET Core for better performance and scalability.**
* Designed and developed Micro Frontend modules using Angular (v2), TypeScript, HTML, CSS, and AJAX. and Module Federation, allowing dynamic loading of independent UI components across multiple applications into independent, reusable micro frontends, improving maintainability and accelerating new feature development.
* Implement **Entity Framework** and **ADO.NET** for efficient database communication.
* Develop services with a focus on **performance optimization**, **low latency**, and **high availability.**
* Implemented **ViewBag, ViewData, and TempData** for passing data between controllers and views when required.
* Deployed and managed cloud resources on **sqlAzure**, ensuring application reliability and scalability.
* Performed unit testing using **NUnit** and front-end testing with **Karma** and **Jasmine** to maintain code quality.
* Led the migration from a **monolithic frontend** to an **Angular-based Micro Frontend (MFE)** architecture, ensuring modularity, scalability, and independent deployment of UI components.
* **Experience in writing Windows Forms and WPF applications using VB.NET.**
* Conducted **SQL Server** database optimization and tuning to improve the performance of billing queries.
* Participated in daily **SCRUM** meetings to track project progress and resolve technical challenges.
* Develop and optimize **SQL Server databases**, including stored procedures, functions, and performance tuning.
* Collaborated with cross-functional teams to gather requirements and implement solutions in agile sprints.
* Troubleshot IT constraints, analyzing and integrating module-specific details to find solutions.
* Design and implement **scalable backend architectures** to handle high-performance data processing.
* Developed and maintained **RESTful APIs** using **ASP.NET** to manage billing data and third-party integrations.
* Implemented **role-based access control (RBAC)** and **JWT authentication** to secure customer data.
* Used **GIT version control** for development.
* Designed software applications, demonstrating deep expertise in programming languages and SDLC.

**Environment:** ASP.NET (Web Forms), C#, RESTful APIs, Angular, TypeScript, JavaScript, jQuery, AJAX, HTML, CSS, XML, SQL Server 2008, Visual Studio 2012, Visual Studio Code, Microsoft Azure, SignalR, WCF, NUnit, Karma, Jasmine, Node.js, GIT, SCRUM.

**Client: Sonata Software – Bangalore, India. Apr 2017 –** **Dec 2019**

**Role: Software Engineer**

**Summary:**

Contributed to building a task management system that helped teams efficiently create, track, and manage their work. The solution improved collaboration between users, provided accurate reporting for managers, and reduced system issues to ensure smoother operations. This project enhanced overall productivity and ensured better alignment with business objectives.

**Responsibilities:**

* Assisted in developing **RESTful APIs** using **ASP.NET Core** to handle task creation, updating, deletion, and status tracking.
* Collaborated with senior developers to design and implement backend services.
* Actively participated in daily stand-ups and sprint planning sessions, providing updates on tasks and discussing issues or blockers.
* Collaborated with product managers and other developers to ensure the application met user needs and was aligned with business objectives.
* Worked closely with product managers and UX designers to ensure the interface was intuitive and met the requirements for task tracking and collaboration.
* Created and maintained **database tables, views,** and **queries** in **SQL Server** to store task details, user information, and project data. Ensured that the system could handle querying tasks and reports efficiently.
* Performed basic data analysis to identify inconsistencies or gaps in the task data, ensuring that reports sent to managers or third parties were accurate and up to date.
* Assisted in debugging and resolving application issues, contributing to reducing the bug backlog by 30%.
* Developed the UI for task management, allowing users to add, edit, and delete tasks, as well as set task priorities, due dates, and assignees.
* Assisted with data migration tasks, moving data between development, staging, and production environments, ensuring that data remained intact and consistent.
* Built responsive user interfaces using **HTML, CSS,** and **JavaScript** to ensure the application works smoothly on both desktop and mobile devices.
* Worked on generating task status reports using **SQL queries** and **MS Excel**, ensuring that data was accurately pulled from the database and formatted for reporting.
* Participated in discussions about optimizing queries and improving application performance by ensuring that SQL queries were written efficiently.

**Environment**: React.js, HTML5, CSS3, JavaScript, ASP.NET Core, C#, SQL Server, MongoDB (for future scalability), Git/GitHub for source control, JIRA, Trello for task tracking and sprints, MS Excel for querying data, Power BI for visual analytics (future enhancements)

**Client: Novaya – Hyderabad, India. Aug 2014 – Mar 2017   
Role: Software Engineer  
Responsibilities:**

* Built reusable components and templates using **JavaScript, HTML5**, and **CSS3** to streamline development workflows.
* Design and implement distributed systems using **WCF** services.
* Design, develop, and deploy interactive and paginated reports using **SQL Server Reporting Services (SSRS)**
* Worked with **ADO.NET** and **Entity Framework** to interact with databases.
* Designed and implemented scalable solutions using advanced **Object-Oriented Programming** principles like **abstraction, inheritance**, and **polymorphism.**
* Develop highly interactive user **interfaces**, incorporating complex controls like **data grids**, **charts**, and **custom visuals.**
* Contributed to **CI/CD** processes by working with tools like **IIS**, **Git**, and **Docker** in the **DevOps pipeline**.
* Implemented real-time communication features using **RabbitMQ**, improving user interaction and system responsiveness.
* Create smooth and responsive user experiences using **MVVM (Model-View-View Model)** pattern.
* Leverage **WPF’s** data binding, styles, and templates to ensure a consistent and modern UI.
* Collaborated with **Product Owners**, **Business Analysts**, and global teams to gather and refine requirements for implementation.
* Created and maintained detailed **technical documentation** to support development and deployment activities.
* Integrated **third-party APIs** and backend services to improve the functionality and performance of applications.
* Designed and optimized **SQL Server** database schemas and queries to enhance data management.
* Contributed to the development of Single Page Applications **(SPA)** using **Angular** for the front end and .**NET** for backend services.
* Partnered with the **QA team** to define test cases and ensure high application reliability through comprehensive testing.

**Environment:** Angular 4, NET Framework, ADO.NET, WCF, WPF, Entity Framework (EF), C#, RabbitMQ, SQL Server, SSIS, SSAS, SSRS, Visual Studio Code, Visual Studio, GIT, Team Foundation Server (TFS), WCF, WPF, HTML5, CSS3, JavaScript, TypeScript, IIS.