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**Sr. Full Stack .Net Developer**

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**PROFESSIONAL SUMMARY:**

* Over 10+ years of experience in SDLC, specialized in developing web, Windows, client/server, and N-tier distributed apps with MVC architecture.
* Utilizes Agile methodologies and proficient in .NET 4.6/4.5/ 4.0/ 3.5, .NET Core 1.0/2.0/3.1, ASP.NET Core 1.0/2.0/3.1, MS Visual Studio, MVC 5/4, C#, C#.Net, ASP .Net Core Web App, ASP.NET Core Web API, ASP .Net MVC 5, LINQ, AJAX, XML, JavaScript, jQuery, JSON.
* Proficient in OOP/OOD principles like Inheritance, Polymorphism, Encapsulation, Abstraction, Dependency Injection.
* Implemented Onion, MVC, N-Tier, Microservices architectures, leveraged design patterns like Singleton, SOLID, MVVC, MVC across 3-tier, N-tier, SOA architectural styles for scalable, modular, maintainable software systems.
* Developed ASP.NET Web API RESTful services with JSON/XML responses, custom formatters for efficient data exchange, improved API functionality.
* Developed web applications using ASP.NET Razor Pages, focusing on data binding and form handling.
* Proficient in ORM frameworks such as Entity Framework, ADO.NET, and Entity Framework Core to streamline database operations.
* Designed and executed comprehensive test plans, test suites, and test cases to ensure software quality.
* Specialized in developing ADO test plans to streamline the testing process.
* Extensive experience with Azure API Gateway, OAuth2, SSL, JWT for secure data delivery; proficient in Identity and Access Management (IAM) including Active Directory, LDAP integration.
* Proficient in frontend technologies including Angular, Vue.js, React, Blazor, html5, cascading style sheets, Bootstrap, jQuery, JavaScript, Node.js, and Ajax in UI development.
* Experienced in ASP.NET controls, data grids, and SPA development using HTML5, CSS3, Angular JS, XML/XSLT, TypeScript, ASP.NET MVC/Core, Web API, Ember.js, with expertise in RXJS, NGRX, ES6, and ES5.
* Experienced in managing relational (SQL Server, MySQL, PostgreSQL, Star Dog) and NoSQL databases (MongoDB, DynamoDB, Cosmos DB, Couch DB).
* Adept at installing and managing databases (MySQL, PostgreSQL, MongoDB) on Linux servers, handling user management, backup/restoration, performance tuning, and database maintenance.
* Hands-on experience in Oracle and MS SQL Server, including T-SQL, PL/SQL for database operations and maintenance, with working knowledge of Multiple Dimension Expressions (MDX).
* Extensive experience in database design and data access, including RDBMS - tables, triggers, logical and physical modeling, access strategies, tools, and concurrency models.
* Proficient in Apache Kafka, RabbitMQ, MSMQ, and WebSphere MQ for resilient message processing in distributed applications.
* Proficient in various testing frameworks like Karma, Mocha, Chai, Jasmine, Selenium, Jest, Protractor, NUnit, XUnit, Cucumber, and Citrus for comprehensive automated integration testing.
* Proficient in API development lifecycle, utilizing Postman, Swagger/Open API, and SOAP UI for design, testing, and created technical documentation.
* Skilled in Azure services (Service Bus, Storage, AKS, Virtual Machines, Blob Storage, Log Analytics, Cosmos DB/Table API) and Azure DevOps for CI/CD, with hands-on experience in Python, PowerShell, and Azure PowerShell.
* Expertise in developing, deploying, and maintaining high-performance mobile applications for both Android and iOS platforms, with a focus on user experience and platform optimization.
* Hands-on experience with the IONIC framework, creating responsive, cross-platform mobile applications using Angular, TypeScript, and Cordova, with a strong emphasis on performance and custom component development.
* Experienced in Amazon AWS services (EC2, S3, RDS, EKS, Lambda, SNS, SQS, ECS, CloudWatch) for scalable cloud-based application deployment and management.
* Proficient in industry-standard version control systems (TFS, Git, GitHub, SVN and Visual Source Safe) for efficient source code management and collaboration across the software development lifecycle.
* Proficient in utilizing monitoring tools like AppDynamics, Splunk, and logging frameworks such as Log4Net to ensure comprehensive application monitoring, log analysis, and troubleshooting capabilities.
* Experience in Responsive Web design by using CSS pre-processors using COMPASS, SASS, SCSS and LESS, Media Queries and frameworks like Bootstrap, Materialize CSS, Ionic Framework and Phone Gap.
* Strong understanding on Mobile Application Development using Xamarin, Ionic, Swift.
* Strong experience in working with Power BI, SSRS, Telerik Reporting, and Crystal Reports.
* Responsible for checking cross browser compatibility for Safari, Internet Explorer, Mozilla Firefox, Google Chrome.
* Expertise in designing and developing Cloud based solutions in Microsoft Azure – IoT, APIM, AAD, and Docker Containers – OpenShift Container Platform (OCP).
* Skilled Software Developer with a proven track record of delivering high-quality, maintainable code.
* Experienced in utilizing debugging tools, techniques, and strategies to troubleshoot and optimize application performance.
* Developed secure and scalable APIs using gRPC and NestJS, enabling high-performance communication across medical service modules.
* Containerized applications with Docker and implemented CI/CD pipelines using Azure DevOps for consistent and compliant deployments.
* Participated in Agile sprints and code reviews, applying best practices to maintain high standards in regulated software development.

**TECHNICAL SKILLS**

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| **Programming Languages** | C, C++, C#, VB.NET, Typescript, Java, PL SQL, Python, Go Lang. |
| **Web Technologies** | XML, HTML/HTML5, XHTML, CSS/CSS3, jQuery v3.0, JavaScript, Angular.js v6.0-12.0, Angular 12/15/16/18, React.js 16/17, AJAX, Bootstrap, Node JS, JSON, PHP, Angular material, Jasmine framework, Leaflet Design and Material design. |
| **.NET Technologies** | .NET Core 3.1, .NET Framework, ASP.NET Web API, ASP.Net Core, ASP.NET MVC, ADO.NET, WCF, WinForms, WPF, Entity Framework, LINQ. |
| **Design Patterns** | MVC, MVVM, Singleton, Factory, DI, SOA. |
| **Database Development** | SQL Server 2012/14/16/17/19, Oracle, T-SQL, MongoDB, PostgreSQL, DB2. |
| **Software Methodologies** | SDLC, Agile. |
| **RAD/IDE** | Visual Studio 2013/15/17/19/22, Visual Basic, Visual Studio Code. |
| **Cloud Technologies** | MS Azure, AWS. |
| **ORM Frameworks** | Entity Framework Core, Entity Framework, ADO .Net. |
| **Modeling and Design Tools** | Microsoft Vision, UML. |
| **Operating Systems** | Windows, LINUX, UNIX. |
| **Testing** | Postman, Soap UI, Fiddler, MS-Test, NUnit, Jasmine, xUnit. |
| **Version Control & Collaboration** | Git (GitHub, GitLab, Bitbucket), Visual Source Safe, JIRA, TFS, SVN. |

**PROFESSIONAL EXPERIENCE**

**Walmart May 2021 – Present**

**Senior .Net Full Stack Developer**

**Responsibilities:**

* Developed and enhanced backend validation logic in a .NET Framework environment using C# and Oracle stored procedures to support Phone Payments.
* Integrated dynamic company configuration validation by calling stored procedures via GenericDAO within service layers of enterprise payment systems.
* Created, published, and upgraded internal NuGet packages to manage shared business logic across multiple applications.
* Coordinated CoreLib version upgrades across applications ensuring backward compatibility.
* Designed minimal-impact validation enhancements, ensuring separation of concerns by plugging isolated checks into existing modules.
* Resolved UI inconsistencies by standardizing icon rendering and sizing in web portals, improving client search and navigation usability.
* Extended Azure Functions to handle dynamic data model writes for document processing workflows in enterprise systems.
* Enhanced system database models by expanding length from 20 to 50 characters, maintaining data integrity for integrations.
* Fixed critical UI and logic issues in Admin Console related to charge continuation toggles and popup exceptions during user workflows.
* Improved client program dropdown functionality in internal portals by implementing dynamic labeling and filtering logic.
* Conducted code reviews, modularized payment validation code, and maintained consistent coding standards across multi-developer projects.
* Participated in Agile sprint planning, updating Jira tickets, worklogs, and ensuring timely code delivery across multiple integrated modules.
* Collaborated with QA teams to create testable modules, enabling easier validation of payment flow updates without breaking legacy workflows.
* Monitored CI/CD builds for deployments and ensured successful package integration into Dev, QA, and UAT environments.
* Maintained detailed documentation of version upgrades, validation logic changes, and CoreLib package impact analysis for smooth sprint handovers.
* Designed and implemented new API endpoints in the service to support enhanced creditor lookup functionality for the phone pay system, improving system integration and user accessibility.
* Analyzed and documented the architecture of existing controllers in the API module to evaluate fit for new requirements, leading to the decision to build dedicated controllers optimized for the portal functionalities.

**Edward Jones, St.Louis, MO Sep 2019 – Apr 2021**

**Senior Net Full Stack Developer**

**Responsibilities:**

* Developed and maintained dynamic user interfaces using **Angular 16**, **HTML5**, **CSS3**, and **SCSS**, ensuring a responsive and user-friendly experience.
* Utilized **TypeScript** to enhance code maintainability and reduce errors in the front-end application.
* Implemented **Bootstrap** for responsive design, ensuring compatibility across various devices and screen sizes.
* Conducted frontend testing with **Karma** to ensure high-quality **Angular applications**.
* Used **Swagger** for documenting and testing **RESTful APIs**, ensuring clear communication and integration with external systems.
* Designed and implemented a robust backend architecture using **.NET Core** and **C#**, ensuring high performance and scalability.
* Developed **RESTful** **APIs** with **ASP.NET Core** to enable seamless interaction between the frontend and backend services.
* Utilized **Entity Framework Core** for efficient data access and management, ensuring high performance and scalability.
* Implemented a **microservices architecture** to enhance the modularity and maintainability of the application.
* Integrated **RabbitMQ** for reliable message queuing and asynchronous communication between services.
* Used **XML** for data interchange and configuration management and Implemented **WebForms** to maintain legacy functionality in the web interface.
* Implemented **OAuth/OpenID Connect** and **JWT** for secure authentication and authorization, safeguarding user data and access.
* Integrated **SQL Server** and **PostgreSQL** databases for reliable and scalable data storage and management.
* Leveraged **Azure SQL Database** for cloud-based database services, improving accessibility and scalability.
* Designed and executed data integration workflows using SQL Server Integration Services (**SSIS**) for streamlined data processing.
* Developed complex **T-SQL** and **PL-SQL** queries and procedures for advanced data manipulation and reporting.
* Created interactive and comprehensive reports with **Power BI**, providing actionable insights and analytics for business decision-making.
* Configured Azure Active Directory (**Azure AD**) for efficient user identity management and access control.
* Containerized application components with **Docker** and managed deployments using **Kubernetes**, ensuring consistent and scalable environments.
* Set up and managed **CI/CD** pipelines using **Azure DevOps** for automated testing, building, and deployment processes.
* Conducted unit testing with **xUnit/NUnit** and API testing with **Postman** to ensure code quality and functionality.
* Utilized **Selenium** for end-to-end testing of web applications, ensuring a seamless user experience and functionality.
* Integrated **Twilio** for **SMS** and voice communication functionalities, enhancing user engagement and notifications.
* Integrated **MuleSoft** for enterprise service bus and API management, facilitating communication between disparate systems.
* Utilized **Azure OpenAI** for advanced natural language processing and AI-driven insights.
* Implemented full-text search capabilities and analytics using **Elasticsearch** to enhance data retrieval and analysis.
* Managed version control and collaboration using **Git** and **GitHub**, ensuring efficient development workflows and code management.

**Environment:** Angular 16, HTML5, CSS3, SCSS, TypeScript, Bootstrap, Karma, Swagger, .NET Core, C#, ASP.NET Core, Entity Framework Core, Microservices, RabbitMQ, XML, WebForms, OAuth/OpenID Connect, JWT, SQL Server, PostgreSQL, Azure SQL Database, SQL Server Integration Services (SSIS), T-SQL, PL-SQL, Power BI, Azure Active Directory (Azure AD), Docker, Kubernetes, Azure DevOps, xUnit, NUnit, Postman, Selenium, Twilio, MuleSoft, Azure OpenAI, Elasticsearch, Git, GitHub.

**Charter Communications, St Louis, MO Oct 2017 – Aug 2019 Senior Net Full Stack Developer**

**Responsibilities:**

* Adopted **Agile methodologies** for project management, ensuring iterative development, continuous feedback, and timely delivery.
* Utilized **Blazor** and **Angular 12** for building dynamic, responsive user interfaces, enhancing user experience across multiple devices.
* Implemented complex form validations and dynamic **UI components** in **Angular**, leveraging Reactive Forms and Template-Driven Forms for robust data handling and user input management.
* Designed the frontend using **HTML5**, **SCSS**, and **TypeScript**, ensuring a responsive and consistent user interface across different devices.
* Developed and maintained secure, scalable backend services with **C#** and **ASP.NET Core**, ensuring robust application functionality.
* Designed and implemented **RESTful APIs** using **ASP.NET Core Web API** for seamless data exchange between frontend and backend.
* Managed database interactions using **Entity Framework Core**, leveraging **SQL** Server for structured data, **PostgreSQL** for relational data, and **MongoDB** for unstructured data.
* Leveraged MongoDB’s flexible document-based structure to efficiently store financial data.
* Collaborated with backend developers to optimize database queries and improve overall system responsiveness.
* Leveraged microservices architecture for backend services, implementing **SOAP**-based web services for legacy system integration, and ensuring scalability and maintainability of the EHR application.
* Configured **Azure Service Bus** and **Mass Transit** for event-driven architecture, enabling efficient messaging and communication between services.
* Documented APIs using **Swagger** and managed them with **Azure API Management**, making integration with other systems easier and improving overall maintainability.
* Created interactive dashboards and reports using **Power BI** and **SSRS**, providing insights into patient care and operational efficiency.
* Containerized the application using **Docker** and managed deployments with **Kubernetes**, ensuring consistent environments and scalability.
* Configured **CI/CD** pipelines in **Azure DevOps** for automated testing, build, and deployment, streamlining the development process.
* Developed and managed **XML** configurations for call routing rules, user profiles, and system settings to enhance the application's flexibility.
* Contributed to backend development of microservices using NestJS (TypeScript) and integrated them with .NET Core APIs to increase modularity.
* Utilized Docker to containerize both legacy and modern services, streamlining deployment and promoting environment consistency.
* Automated builds and deployments using CI/CD pipelines in Azure DevOps, supporting release validation for regulated environments.

**Environment:** .NET 5, C#, ASP.NET Core, Blazor, Angular 12, HTML5, SCSS, TypeScript, Reactive Forms, Redis, SignalR, OAuth/OpenID Connect, IAM, ASP.NET Core Identity, , SQL Server, PostgreSQL, MongoDB, Microservices Architecture, SOAP, SSL/TLS, Azure Key Vault, Azure Service Bus, Mass Transit, Swagger, Azure API Management, Azure Logic Apps, SSIS, Azure Cognitive Services, Azure Blob Storage, Power BI, SSRS, Docker, Kubernetes, Azure DevOps, xUnit, Selenium, Postman, and Azure Policy.

**Blue Cross Blue Shield of Michigan, Detroit, MI May 2015 – Aug 2017**

**.NET Developer**

**Responsibilities:**

* Led **Agile** **SDLC** methodologies, fostering iterative development, regular feedback loops, and continuous improvement, resulting in timely and high-quality software deliveries.
* Used **Visual Studio 2019** to create a new **ASP.NET Core Web** Application for the backend and an **Angular8** project for the frontend.
* Developed the backend using **ASP.NET Core 3.1** to build **RESTful APIs** for, user management, and data retrieval.
* Developed and maintained legacy applications using **VB.NET** to ensure continued support and functionality of existing systems.
* Designed and implemented the database schema using **SQL Server 2019** and **Entity Framework Core 3.1** for Object-Relational Mapping (**ORM**), and **MongoDB** for **NoSQL** data storage.
* Implemented authentication and authorization using **ASP.NET Identity** with **OAuth2 / OpenID** Connect for secure user login and role management.
* Built the user interface with **Angular 8** using **TypeScript** for type safety and **HTML5/CSS3** for layout and styling, and **Bootstrap** for responsive design.
* Developed **RESTful APIs** in **ASP.NET Core** and integrated them with the frontend using **Http Client**, documented with **Swagger**.
* Created dynamic forms for vehicle registration and validation using Angular Reactive Forms.
* Managed application state with **NgRx** to handle complex state and data flows.
* Used **Docker** to containerize the backend and frontend applications for consistent development and deployment environments, and **Kubernetes** for container orchestration.
* Set up a **CI/CD** pipeline with **Azure DevOps** to automate building, testing, and deploying the application to a staging or production environment.
* Implemented unit tests using **NUnit** for the backend and **Karma/Jasmine** for the frontend and performed end-to-end testing with **Selenium**.
* Integrated **Serilog** for backend logging and used **Azure Application Insights** and **Grafana** for monitoring application performance and errors.
* Applied **SSL/TLS** to secure data in transit and followed **OWASP** guidelines for secure coding practices to protect against vulnerabilities.
* Integrated with external **APIs** for vehicle data or payment processing if needed, ensuring secure API communication with **JWT**.
* Used **Hangfire** for background job processing, **Chart.js** for data visualization, and **Elasticsearch** for advanced search capabilities.
* Documented the API using **Swagger**, tested APIs with **Postman**, and managed sensitive configuration settings with **Azure Key Vault.**
* Utilized **Git** for version control, enabling efficient collaboration, tracking changes, and managing code across multiple development environments.

**Environment:** ASP.NET Core 3.1, Angular 8, VB.NET, SQL Server 2019, Entity Framework Core 3.1, MongoDB, ASP.NET Identity, OAuth2, OpenID Connect, TypeScript, HTML5, CSS3, Bootstrap, HttpClient, Swagger, Angular Reactive Forms, NgRx, Docker, Kubernetes, Azure DevOps, NUnit, Karma/Jasmine, Selenium, Serilog, Azure Application Insights, Grafana, SSL/TLS, OWASP guidelines, JWT, Hangfire, Chart.js, Elasticsearch, Postman, Azure Key Vault, Git.