

# Full Stack .Net Developer

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Professional Summary:

- Over **8+** years of experience as Full Stack .NET Developer delivering robust and scalable applications using **.NET Core, C#, ASP.NET Core, and Node.js** across various industries, including finance, healthcare, and aviation.
- Proficient in building **Microservices Architecture** for highly scalable, secure, and fault-tolerant systems, leveraging **RESTful APIs, GraphQL, and Event-Driven Architecture** with **Kafka** and **RabbitMQ**.
- Extensive experience in frontend development using **Angular (up to Angular 16), React, HTML5, CSS3, TypeScript, and JavaScript**, ensuring responsive and interactive UI/UX with frameworks like **RxJS** and **Angular Material**.
- Expertise in designing and managing databases using **SQL Server, MongoDB, PostgreSQL, Azure Cosmos DB, and Redis**, including writing optimized **T-SQL** stored procedures and managing ETL pipelines with **SSIS**.
- Skilled in implementing secure authentication and authorization using **OAuth2, OpenID Connect, JWT**, and integrating with **Azure AD** and **ASP.NET Identity** for user access management.
- Advanced knowledge of cloud platforms like **Azure** and **AWS**, with hands-on experience in **Azure App Services, Azure Blob Storage, Azure Key Vault, Azure API Management, AWS Lambda, AWS S3, and Azure DevOps** for CI/CD pipelines.
- Proficient in containerization using **Docker** and orchestration with **Kubernetes**, enabling scalable, consistent deployments across environments.
- Adept at integrating real-time communication and peer-to-peer streaming using **SignalR, WebRTC**, and ensuring data flow efficiency with **RxJS** in frontend applications.
- Demonstrated expertise in backend frameworks, implementing **Dependency Injection** for maintainable and testable services, and following architectural patterns like **Onion Architecture, MVC, and Service-Oriented Architecture (SOA)**.
- Strong focus on code quality with tools like **SonarQube**, thorough testing with **XUnit, Karma, Jasmine**, and API validation using **Postman** and **Swagger/OpenAPI**.
- Hands-on experience in managing and optimizing application performance, including caching strategies with **Redis, Azure Cache for Redis**, and **MongoDB Atlas** for NoSQL databases.
- Designed and delivered enterprise-level reports and dashboards using **SSRS** and advanced visualizations in **Angular**, enabling data-driven decision-making.
- Specialized in integrating compliance standards like **HIPAA, FHIR, and HL7** for healthcare systems and implementing **SSL/TLS** protocols for secure data transmission.
- Skilled in leveraging centralized logging and monitoring solutions like **Log4Net** and troubleshooting distributed applications for error resolution and performance optimization.
- Experienced in iterative development using **Agile SDLC methodologies**, managing tasks with **JIRA**, and ensuring smooth team collaboration with **Git** and **Azure Boards**.
- Strong knowledge of serverless architectures using **Azure Functions** and **AWS Lambda**, delivering cost-efficient and scalable solutions for event-driven applications.
- Proven track record of delivering high-quality applications, managing distributed teams, and achieving project deadlines with a customer-focused approach to solving complex business problems.

Technical Skills:

Category	Technologies
Languages	C#.NET, Web API, ASP.NET, MVC, TypeScript, VB, MVC4, JavaScript, WinForms, VBScript, XHTML5.
Databases	SQL Server, Entity Framework Core, SQL Server 2012/2008/2005, PL/SQL, T-SQL, Oracle, IBM DB2, Microsoft Access.
Web Technologies	ASP.NET Core, Angular, HTML5, CSS3, JavaScript, ReactJS, CSS (Bootstrap).
Data Access Technologies	ADO.NET, ADO, DAO, OLE DB, ODBC, LINQ, Hibernate.
.NET Technologies	Web Services, Web/Win Forms, Windows Services, LINQ, WCF, Entity Framework.
Webserver	.NET Core, .NET, ASP.NET Core, Angular, .NET.
Framework	IIS, ASP.NET Web Development Server.
Application Tools	Visual Studio, MS Office, TOAD, Azure DevOps, Git, JIRA.
Operating Systems	Windows 11, XP/NT/2000/9x, MS-DOS, UNIX.
Cloud Technologies	Azure (Azure DF, Azure Blob Storage, Azure DevOps), AWS.

## Professional Experience:

**Client:** Delta Dental Ins, San Francisco, CA  
**Role:** Full Stack .Net Developer

**Mar 2023 to Present**

### Responsibilities:

- Utilized **Agile SDLC** methodologies for continuous delivery and iterative development, ensuring flexibility in adapting evolving business requirements and timely feature releases for the **Client Portal Management** application.
- Designed and implemented a **Microservices architecture** to ensure scalability, security, and fault tolerance, optimizing system performance and integration in the financial data management platform.
- Developed backend services using **C#** and **ASP.NET Core Web API**, building robust **RESTful services** to interact with financial data and ensuring maintainable and secure data exchange.
- Leveraged **ASP.NET Core Dependency Injection** to improve the maintainability of backend services by promoting loose coupling and enhancing testability of business logic.
- Developed and optimized **RESTful APIs** using **C#** and **ASP.NET Core**, implementing **asynchronous programming** with **async/await** to enhance performance and scalability, ensuring efficient handling of high-volume financial data requests.
- Utilized **Entity Framework Core** to interact with relational databases, simplifying data access and ensuring efficient querying of financial data in **SQL Server**.
- Developed visually engaging and functional web applications using **HTML**, **CSS**, and **JavaScript**, ensuring an intuitive user experience for financial data processing.
- Implemented real-time data features in **Angular 16** using **RxJS** to manage data flow efficiently, improving user engagement by consuming backend API data in the financial application.
- Utilized **Angular CLI** for efficient project scaffolding, build optimization, lazy loading, and **Angular Universal** for server-side rendering (SSR), enhancing SEO, initial load performance, and secure communication with **JWT** for authenticated data exchange in financial applications.
- Enhanced **UI/UX** by integrating **Angular Material**, creating consistent, accessible user interfaces that ensured a seamless experience across platforms for financial application users.
- Integrated **JSON** as the primary data format for communication between backend services and the frontend, enabling lightweight data transfer and efficient data handling for financial transactions.
- Secured APIs with **OAuth2** for user authentication and authorization, ensuring only authorized users could access sensitive financial data and transactions.
- Worked with **SQL Server** to manage financial records, ensuring efficient storage, retrieval, and modification of financial data while maintaining data integrity and security.
- Designed and optimized **T-SQL** stored procedures and triggers for efficient querying and manipulation of financial data within **SQL Server**.
- Integrated **MongoDB** for NoSQL storage, ensuring flexible and scalable data management for semi-structured financial data in a microservices architecture.
- Integrated **Apache Kafka** for event-driven communication between distributed microservices, ensuring real-time processing of financial data and reducing latency.
- Utilized **Postman** and **Swagger UI** for comprehensive **API testing**, ensuring all endpoints adhered to defined standards and were functioning correctly.
- Leveraged **Azure Cloud** for hosting and deploying applications, using **API Gateway** for secure routing of financial API requests and ensuring high availability and reliability of services.
- Worked with **Azure Blob Storage**, **Azure Key Vault**, and **Azure App Service** for storage management, secret handling, and application hosting in the cloud.
- Built and maintained **CI/CD pipelines** using **Azure DevOps**, automating build, testing, and deployment processes to streamline code delivery and application deployment.
- Containerized applications using **Docker** and orchestrated deployments with **Kubernetes**, ensuring scalability and efficient deployment across multiple environments.
- Conducted testing for backend services and front-end components using **XUnit**, **Karma**, and **Jasmine**, ensuring functionality, reliability, and cross-browser compatibility in the financial data management system.
- Implemented centralized **logging** using **Log4Net** to monitor errors and events across various services, enabling quick issue resolution and operational efficiency.
- Tracked project progress using **JIRA** for task management and timelines, while utilizing **Git** for branching and merging strategies to ensure seamless team collaboration and efficient handling of development features and bug fixes in the financial data management system.

**Environment:** C#, ASP.NET Core, Angular 16, TypeScript, SQL Server, MongoDB, Redis, Kafka, Docker, Kubernetes, Azure App Services, OAuth2, JWT, Git, xUnit, Postman, Swagger, SonarQube, Log4Net, JIRA, Azure Functions, Entity Framework Core.

**Client: HP, Vancouver, WA.**

**May 2021 to Feb 2023**

**Role: .Net Developer**

**Responsibilities:**

- **Agile** approaches were used, emphasizing iterative development, frequent sprint planning, and ongoing feedback to improve teamwork and project flexibility.
- Implemented **Onion architecture** to separate business logic, user interface, and user input handling, enhancing maintainability and scalability of the applications.
- Worked on the Healthcare Data Management & Compliance Systems application, building dynamic and interactive user interfaces with **Angular 14**, improving user experience and ensuring smooth integration with backend services.
- Developed and optimized enterprise-level **RESTful APIs** with **C#**, ensuring secure, efficient system integration with other healthcare platforms and services.
- Delivered high-quality web services using **ASP.NET Core**, focusing on modular design, security, and performance to meet the needs of healthcare data management.
- Utilized **Entity Framework Core** for object-relational mapping with **SQL Server**, simplifying data access and manipulation.
- Built dynamic dashboards with **Angular 14**, visualizing real-time healthcare data such as patient information, compliance metrics, and performance indicators, enabling healthcare providers to make informed decisions.
- Managed real-time data flow by utilizing **Angular services** and **RxJS**, optimizing asynchronous operations and boosting healthcare data management application performance.
- Integrated secure patient login systems with **Angular 14** using **OAuth 2.0** and **OpenID Connect**, ensuring **HIPAA**-compliant authentication and authorization for users accessing sensitive health information.
- Secured **API** communications using **HTTPS/TLS** and **JWT**, managing **SSL certificates** to ensure safe and reliable data exchanges.
- Designed and managed databases using **SQL Server**, **MongoDB**, and **Google Cloud's Cloud Firestore**, implementing stored procedures, triggers, and functions to ensure data integrity and optimize performance.
- Enhanced backend workflows with **T-SQL**, automating business processes to improve overall system efficiency.
- Integrated **Redis** for caching, significantly improving the performance of frequently accessed data.
- Developed and maintained robust **RESTful APIs**, handling complex data queries and system integration for real-time healthcare data sharing.
- Implemented **SignalR** for real-time communication and **WebRTC** for peer-to-peer streaming, enhancing the responsiveness and interactivity of the application.
- Integrated **FHIR** standards and **HL7** message parsing to enable seamless healthcare data exchange, ensuring compliance with healthcare industry regulations.
- Ensured **HIPAA** compliance by implementing encryption and secure data transmission in all healthcare-related processes.
- Leveraged **Google Pub/Sub** for message brokering between microservices, improving scalability and real-time data processing.
- Utilized **Google Kubernetes Engine (GKE)** and **Google Cloud Run** for containerization and orchestration, ensuring consistent environments and scalability.
- Managed user identities with **Google Identity Platform (IAM)** and stored unstructured data in **Google Cloud Storage** for better security and management.
- Implemented serverless architecture with **Google Cloud Functions** and secured sensitive data using **Google Cloud Key Management**.
- Automated CI/CD pipelines using **Google Cloud Build**, speeding up development cycles and ensuring consistent deployment across environments.
- Designed a **Service-Oriented Architecture** using **Google Cloud Pub/Sub**, optimizing service communication between various systems.
- Utilized **Google Cloud Logging** for logging, facilitating quick troubleshooting and performance monitoring.
- Managed project workflows with **JIRA**, ensuring timely issue resolution and development progress.
- Conducted comprehensive testing using **Jasmine**, **Postman**, and **Selenium**, ensuring reliable and efficient functionality across the system.
- Managed source control using **Git**, supporting version control and seamless collaboration among distributed teams working on financial software.

**Environment:** .NET Core 6, C#, Angular 14, TypeScript, Entity Framework Core, SQL Server, MongoDB, Redis, FHIR, HL7, RESTful APIs, SignalR, OAuth 2.0, JWT, Docker, Kubernetes, Azure App Services, Azure Functions, Azure DevOps, Azure AD, Log4Net, JIRA, CI/CD, Jasmine, Kafka, WCF, HIPAA compliance.

**Client:** Sherwin-Williams, Cleveland, OH.

**Jan 2019 to April 2021**

**Role:** .Net Backend Developer

**Responsibilities:**

- Implemented **Agile** methodologies to guide the software development lifecycle for transportation systems, ensuring iterative progress, timely delivery, and fostering collaboration across teams while maintaining high-quality standards.
- Designed and implemented **MVC Architecture** for scalable and maintainable transportation applications, ensuring clear separation of concerns across presentation, business logic, and data layers, enhancing maintainability, testing, and modularity.
- Designed and built interactive, responsive web pages using **HTML5**, **CSS3**, and **JavaScript** for transportation solutions, ensuring cross-browser compatibility and optimal user experience.
- Developed responsive, dynamic user interfaces with **React**, ensuring seamless integration with backend services and improving application performance.
- Utilized **React hooks**, **context API**, and custom hooks for managing application state in transportation applications, optimizing data handling and reducing re-renders for improved performance.
- Applied advanced **React** techniques such as lazy loading, code splitting, and memorization to improve rendering efficiency and ensure fast, reliable experiences in complex transportation applications.
- Engineered scalable, high-performance transportation applications using **ASP.NET Core** and **React**, focusing on performance optimization and seamless cross-platform functionality.
- Developed efficient **RESTful APIs** with **ASP.NET Core**, ensuring secure, efficient data flow between front-end, back-end, and database systems for transportation projects.
- Designed and integrated **RESTful web services** for real-time communication in transportation systems, improving system interoperability.
- Optimized communication using **JSON** for lightweight data exchange between components in transportation applications.
- Managed structured data with **SQL Server** and flexible data storage with **MongoDB**, ensuring efficient data retrieval and supporting scalable transportation systems.
- Developed and maintained **T-SQL** procedures, functions, and complex queries to optimize data access and improve reporting efficiency for transportation data.
- Utilized **Entity Framework** to streamline data access and improve database performance for transportation solutions, reducing development time.
- Created and executed front-end tests with **Jest** to ensure UI functionality and reliability in transportation projects.
- Developed unit tests using **xUnit** for backend services, ensuring the stability and performance of transportation systems.
- Integrated **Kafka** and **RabbitMQ** for message brokering between microservices, enhancing scalability and real-time data processing in transportation systems.
- Deployed applications using **Google Cloud Functions** for serverless computing and **Google Cloud Storage** for efficient cloud storage in transportation solutions.
- Built serverless solutions with **Google Cloud Functions** to create cost-efficient, scalable event-driven architectures for transportation applications.
- Integrated **Google Cloud Storage** for unstructured data storage and management, optimizing data retrieval and security in transportation systems.
- Automated deployments with **Google Cloud Build**, ensuring continuous integration and rapid, consistent delivery across environments for transportation projects.
- Containerized transportation applications with **Docker**, ensuring consistency across development, testing, and production environments.
- Managed containerized transportation applications with **Google Kubernetes Engine (GKE)**, automating deployment, scaling, and maintenance to improve system reliability and efficiency.
- Used **Visual Studio**, **Visual Studio Code**, and **SQL Server Management Studio** for transportation system development and debugging.
- Implemented **Google Cloud Logging** for centralized logging, improving performance monitoring and error resolution in transportation systems.
- Managed projects and tracked tasks using **TFS**, ensuring timely delivery of transportation initiatives and alignment with business objectives.

**Environment:** Agile SDLC, ASP.NET MVC, React, Jest, React Testing Library, Entity Framework, RESTful Web Services, JSON, SQL Server, MongoDB, xUnit, TFS, Visual Studio Code, SQL Server Management Studio, Log4Net.

### **Responsibilities:**

- **Agile** approaches were used, emphasizing iterative development, frequent sprint planning, and ongoing feedback to improve teamwork and project flexibility.
- Designed and deployed **microservices** to modularize billing functions, enabling scalable and independent management of services and improving system resilience.
- Implemented **MVC architecture** to structure the application for scalable and maintainable code, enhancing user experience and separation of concerns.
- Styled and structured web pages using **HTML5** and **CSS3**, ensuring responsive design, modern aesthetics, and a seamless user experience across different devices and browsers.
- Migrated dynamic web interfaces from **Angular** for a responsive and user-friendly frontend experience, while improving application performance and integrating new capabilities.
- Developed client-side functionality using **TypeScript** for interactive and real-time features.
- Developed dynamic and responsive web applications using **Angular**, utilizing its powerful features like data binding, component architecture, and dependency injection to deliver high-performance user interfaces and seamless functionality.
- Leveraged **C#** and maintained backend services that supported business processes and customer-facing apps by integrating **APIs**, data processing, and essential business logic.
- Built **RESTful APIs** with **ASP.NET Core** and **ASP.NET Web API**, enabling secure and efficient communication between client and server.
- Integrated **OAuth/OpenID Connect** and **ASP.NET Identity** for secure user authentication and authorization.
- Designed and implemented **PostgreSQL** databases to efficiently store, manage, and retrieve large datasets, ensuring high availability and data integrity while optimizing query performance.
- Designed and enhanced data access layers using **ADO.NET** with **PostgreSQL**, improving query performance and efficiently managing database connections.
- Performed unit testing with **xUnit** to ensure code reliability and automated UI testing with **Selenium** for frontend validation.
- Verified **API** functionality using **Postman** and documented APIs with **Swagger/OpenAPI** for interactive and clear documentation.
- Managed and secured **APIs** through **Google Cloud API Gateway**, ensuring proper access control and monitoring.
- Leveraged **Google Identity Platform (IAM)** for centralized user identity and access management.
- Managed large datasets with **Google Cloud Storage** and protected application secrets and sensitive data using **Google Cloud Key Management**.
- Utilized **Google Cloud Firestore** for flexible, scalable NoSQL data management where needed.
- Managed application lifecycle with **Google Cloud Build**, including **CI/CD** pipelines and version control using **GitLab CLI**.
- Leveraged **Docker** for containerizing applications to ensure consistent deployment across environments, while utilizing **Google Kubernetes Engine (GKE)** for orchestration, automating scaling, monitoring, and maintaining high availability for production systems.
- Designed and implemented detailed billing reports using **Google Cloud BigQuery**, ensuring accurate financial tracking and providing actionable insights for decision-making.
- Utilized **Google Cloud Dataflow** to automate and optimize ETL processes, improving data quality and streamlining the flow of information for reporting and analysis.
- Utilized **WCF** security features like message encryption, authentication, and authorization, ensuring secure communication for sensitive business data.
- Implemented data binding, commands, and validation in **WPF** to ensure smooth interaction between the user interface and the underlying business logic, enhancing application responsiveness and usability.

**Environment:** .NET , C#, ASP.NET Core, ASP.NET Web API, ADO.NET, PostgreSQL, SQL Server, Azure Cosmos DB, MVC architecture, Angular, HTML, CSS, TypeScript, OAuth/OpenID Connect, ASP.NET Identity, Azure AD, HTTPS/TLS, DICOM, SSRS, HIPAA, Event Hub, Azure DevOps, YAML Pipelines, GitLab CLI, Docker, Kubernetes, Azure Blob Storage, Azure Key Vault, xUnit, Selenium, Postman, Swagger/Open API, Azure API Management, Azure Service Bus.

### **EDUCATION**

**Wilmington University** | Wilmington, Delaware

Masters in computer science

**Jawaharlal Nehru Technological University** | Hyderabad, India

Bachelors in computer science