

# ROBERT MARTIN

## SENIOR FULL STACK .NET DEVELOPER

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Senior Full Stack .NET Developer with 9+ years of experience in designing and implementing high-performance, scalable applications. Expert in C#, .NET Core, ASP.NET, and Entity Framework, with a strong track record in leading the development of enterprise-grade solutions across healthcare, e-commerce, and retail. Skilled in microservices architecture, cloud technologies (Azure, AWS), and both RESTful and GraphQL APIs. Adept at collaborating with cross-functional teams to drive successful, high-quality project outcomes.

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## PROFESSIONAL EXPERIENCE

### HCA Healthcare

Nashville, TN

#### Senior .NET Developer

Jul 2020 - Sep 2024

- Led the backend architecture design for a platform supporting 185+ hospitals, leveraging **Microservices** with **.NET Core** to enhance scalability and independent service deployment.
- Developed and optimized **GraphQL APIs** using **.NET Core**, reducing data retrieval times and improving client performance.
- Implemented **Entity Framework Core** for managing **SQL Server** databases, enhancing data integrity and query performance.
- Implemented **Azure Functions** for serverless processing, significantly lowering operational costs while boosting scalability.
- Designed and implemented **JWT** and **OAuth2** authentication for secure user access and session management.
- Architected containerized services using **Kubernetes**, improving deployment consistency and auto-scaling.
- Collaborated with front-end teams to integrate complex **React** components, ensuring seamless user experience.

**Key Technologies:** C#, ASP.NET Core, React, TypeScript, Entity Framework, Azure App Services, Azure Functions, SQL Server, Docker, Kubernetes, GraphQL, JWT, OAuth2, SignalR, RabbitMQ, Azure DevOps

### PieSoft.US

Bethlehem, PA

#### Senior Backend Developer

Sep 2018 - May 2020

- Architected a high-performance **e-commerce backend** on **ASP.NET**, automating order processes for wholesale clients.
- Designed **XPF Batch** scripts for automated **ETL** processes, facilitating real-time inventory updates and data consistency across systems, achieving seamless integration

between disparate systems and ensuring real-time inventory updates for a dynamic product catalog.

- Experience in **SQL Server** Database design developing T—SQL queries, functions, stored procedures, and triggers using SQL Server and used Data Adapter, Dataset, Data Correction, Data Command, and Data reader as a part of **ADO.NET**.
- Implemented real-time communication with **SignalR** and **WebSockets** for live updates, chats, and notifications.
- Enhanced interoperability through **REST APIs** and **WCF** services for seamless data exchange.
- Integrated third-party services such as **Stripe** and **PayPal** for secure payment processing, ensuring PCI compliance.
- Led an agile team, mentoring three junior developers and ensuring adherence to best practices in **TDD** and **CI/CD**.
- Conducted unit and integration testing using **xUnit**, **NUnit**, and **Postman**, ensuring high-quality code and system reliability.
- Led a cross-functional development team within an **agile** framework, mentoring three junior developers, and upholding high standards for coding practices and rigorous testing procedures to ensure code quality and system reliability.

**Key Technologies:** .NET Core, ASP.NET, Entity Framework, SQL Server, Azure DevOps, Docker, Kubernetes, SignalR, WCF, IdentityServer4, Dapper, RESTful API, XUnit, NUnit, Postman, Stripe, Paypal

## **Best Buy**

**Richfield, MN**

### **Full Stack .NET Developer**

**May 2016 - Jun 2018**

- Spearheaded the design and development of Best Buy's recruitment platform, integrating **.NET Core APIs** and enabling real-time job notifications.
- Utilized **Swagger/OpenAPI** to document APIs, facilitating clear communication with frontend teams.
- Utilized SQL Server Management Studio (**SSMS**) for database administration tasks, including writing and optimizing complex **SQL queries** and ensuring database performance and reliability.
- Deployed and managed applications on **AWS (EC2, S3, Lambda)**, ensuring high availability and scalability.
- Practiced Agile methodologies, including **Jira** for task management, resulting in efficient team collaboration.
- Deployed and managed applications using **Docker**, ensuring smooth operations in production environments.

**Key Technologies:** RabbitMQ, Elasticsearch, C#, ASP.NET, Entity Framework, SQL Server, PostgreSQL, Redis, Docker, WebSockets, AWS S3, Lambda, Microservices, Jenkins, Selenium, OAuth2, JWT, Jira

## **GitStart**

### **Software Developer**

**San Francisco, CA**

**Nov 2014 - Feb 2016**

- Contributed to the development of various web projects, employing a robust stack of technologies including **HTML5, CSS3, JavaScript, React** to ensure the creation of responsive, user-friendly, and visually appealing websites.
- Collaborated closely with designers, project managers, and QA testers to ensure projects were delivered on time and met all functional and design specifications.
- Integrated **Jenkins** to git where the build triggers automatically when we push a pull request for **CI/CD**.
- Integrated **Firebase** for real-time data storage and retrieval, enhancing backend functionality without server-side constraints.
- Enhanced site accessibility by adhering to **WCAG** guidelines, making web content accessible to people with disabilities.

**Key Technologies:** React, Bootstrap, WebAPI, JWT, C#, ASP.NET MVC, Entity Framework, SQL Server,, Git, Bitbucket, T-SQL, Google Maps API, Jenkins, Selenium

## **TECHNICAL PROFICIENCIES**

- **Languages & Frameworks:** C#, .NET Core, ASP.NET Core, ASP.NET MVC, WebAPI, Blazor, Razor Pages, Node.js, Ruby on Rails
- **Architectures:** Microservices, SOLID, Dependency Injection, DDD, CQRS
- **Web Technologies:** React, Angular, Svelte, Next.js, Redux, SASS/LESS
- **Databases:** SQL Server, MySQL, PostgreSQL, MongoDB, Firebase, DynamoDB, Redis
- **ORMs:** Entity Framework, Dapper, LINQ, NHibernate, ADO.NET
- **APIs:** RESTful APIs, GraphQL, WebSocket, SignalR, gRPC, BFF
- **Cloud Services:** Azure (App Services, Azure Functions, Azure Cosmos DB), AWS (Lambda, EC2, S3, RDS, SQS), Google Cloud Platform
- **Security:** OAuth2, JWT, IdentityServer4, SSL/TLS, SAML
- **CI/CD & DevOps:** Jenkins, GitHub Actions, GitLab CI, Azure DevOps, Docker, Kubernetes, Helm
- **Version Control:** Git, Bitbucket, GitLab
- **Monitoring & Testing:** XUnit, NUnit, Selenium, Postman, Prometheus, Grafana

## **EDUCATION**

**University of North Florida**

**Bachelor's Degree in Computer Science**

**Jacksonville, FL**

**Aug 2009 - Sep 2014**