**Priyanka Venkatesan**

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**Summary :**

Results-driven Senior .NET Full Stack Developer with 9+ years of experience architecting, developing, and deploying high-performance applications. Proven expertise in modernizing legacy **VB.NET** systems to cloud-native microservices on **Azure**. Proficient in **.NET Core**, **C#**, **Blazor**, and building robust CI/CD pipelines with **Docker** and **Azure DevOps**. A proactive leader and problem-solver, adept at delivering scalable solutions that drive business value and improve system efficiency.

**Technical Skills :**

* **Programming Languages:** C#, VB.NET, SQL, T-SQL, JavaScript, TypeScript, HTML5, CSS3
* **Frameworks & Libraries:** .NET Core (through 8.0+), .NET Framework, ASP.NET Core (MVC & API), Entity Framework (Core & EF6), Dapper, WCF, WPF, Blazor Server, Angular, React
* **Databases:** SQL Server, Azure SQL, CosmosDB, MongoDB, Cassandra, Elasticsearch, Redis
* **Cloud (Azure):** Azure DevOps (Pipelines, Repos), Azure Kubernetes Service (AKS), Azure App Services, Azure Functions, Azure Service Bus, Azure Container Registry (ACR), Azure Key Vault, Application Gateway, Azure Monitor, Application Insights, Log Analytics, ARM Templates
* **Architecture & Services:** Microservices, RESTful APIs, Event-Driven Architecture (EDA), Domain-Driven Design (DDD), SOAP, SOA
* **CI/CD & DevOps:** Azure DevOps, Jenkins, **Docker**, **Terraform (IaC)**, Git, GitLab, TFS
* **Testing & Quality:** Test-Driven Development (TDD), NUnit, xUnit, Moq, SonarQube, Postman, Swagger
* **Legacy Systems Expertise:** VB.NET (migration & maintenance), ASP.NET Web Forms, **ADO.NET**, **Crystal Reports**, SSRS

**Professional Experience :**

**Cognizant** **March 2021 – Present**

*Senior .NET Developer*

* Architected and led the development of scalable, cloud-native solutions by defining API contracts, establishing data models for microservices, and leading technical design sessions, which increased overall system efficiency by **20%**.
* **Containerized** three core microservices using **Docker** and orchestrated them with Azure Kubernetes Service (AKS), working with YAML files for configuration and managing deployments to improve scalability and agility.
* Engineered and deployed Azure resources using both ARM Templates and **Terraform**, providing robust and repeatable Infrastructure as Code (IaC) and automating the setup of complex environments.
* Championed the adoption of Test-Driven Development (TDD) and modern coding standards, which increased team code coverage to **85% (SonarQube)** and **reduced post-deployment bugs by 40%**.
* Mentored 3 junior developers on best practices for .NET Core, Azure, and REST API design, conducting regular code reviews and pair programming sessions to accelerate their growth and improve code quality.

**Thrivent** **June 2019 – February 2021**

 *.NET Developer*

* Developed and maintained a multi-layered N-Tier application, building out the business logic layer in C# and creating robust data access layers using Entity Framework to communicate with SQL Server, delivering **over 20 new features**.
* Designed and developed responsive UIs using AngularJS and ASP.NET MVC, creating custom directives and services to build a seamless single-page application experience, directly contributing to a **15% improvement in user task completion rates**.
* Analyzed a legacy **VB.NET** Win Forms application to identify modernization pathways, strategically developing new C# Web API endpoints to replace outdated components, successfully extending the application's lifecycle by over 2 years.
* Authored and optimized complex T-SQL queries, triggers, and stored procedures, dramatically **improving the performance of critical data retrieval operations by up to 50%**.

**Hancock Whitney Bank** **January 2017 - May 2019**

*.NET Developer*

* Served as a primary point of contact for production support, diagnosing and resolving complex issues in legacy **VB.NET** and ASP.NET Web Forms applications, ensuring high availability for business-critical banking operations and resolving an **average of 10+ high-priority tickets per week**.
* Designed, developed, and maintained WCF services (SOAP/HTTP) to integrate with **5+ third-party financial systems**, managing complex data contracts and ensuring secure, reliable data exchange.
* Wrote automated unit tests in C# using MSTest for the business logic and data access layers, achieving **70% code coverage** for all new modules and significantly enhancing code reliability.
* Collaborated with business analysts and QA teams in an Agile environment to translate requirements into technical specifications and ensure feature correctness.
* Enhanced front-end interactivity and validation using **JavaScript and jQuery**, improving data entry accuracy and overall user experience on key banking forms.

**Flexjet** **May 2015 - December 2016**

*Software Developer*

* Developed user-facing features for an N-Tier web application using ASP.NET Web Forms, C#, and **ADO.NET**, creating custom user controls and implementing server-side logic to support core flight operations.
* Provided ongoing maintenance and feature enhancements for legacy VB.NET modules, working closely with business users to troubleshoot issues and ensure business continuity for three key operational systems.
* Wrote and maintained SQL scripts, stored procedures, and views for SQL Server 2008 to support new application features and reporting needs.
* Designed and developed **over 50 operational reports using Crystal Reports**, extracting data from multiple sources to provide key business insights to management.

**Education:**

**Bachelor of Engineering** Anna University, India | 2009 – 2013

**Key Achievements:**

* **Cost Reduction & Modernization:** Spearheaded the migration of critical legacy VB.NET applications to a C#/.NET Core microservices architecture, resulting in a **45% improvement in application performance**.
* **DevOps & Automation:** Engineered and implemented CI/CD pipelines in Azure DevOps from the ground up, **reducing average deployment times from 4 hours to just 25 minutes** and enabling zero-downtime releases for over 10 core services.
* **Scalability & Performance:** Architected a highly scalable, event-driven solution using Azure Service Bus and Azure Functions, capable of reliably processing **over 1 million messages daily** with 99.99% uptime.
* **User Engagement:** Developed an interactive policy and claims dashboard using **Blazor Server**, which was adopted by over 500 internal users and led to a **25% increase in user engagement** and data accessibility.