

# Sai Teja Jampani

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Place: United States

## PROFESSIONAL SUMMARY

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- Experienced **Full-Stack .NET Developer** with over 4 years of expertise in designing and implementing scalable web applications using **C#, .NET Core, ASP.NET MVC, and Angular 12/13**.
- Implemented RESTful APIs, microservices architecture, and optimized database performance in **SQL Server and Oracle 11g** to enhance system efficiency and scalability.
- Optimized cloud-based deployments on **Microsoft Azure**, automated **CI/CD pipelines with Azure DevOps**, and ensured code quality through **unit testing frameworks like XUnit and NUnit**.

## TECHNICAL SKILLS

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**Programming Languages:** C#, .NET Core, VB.NET, Visual Basic 8.0, ASP.NET MVC, SQL, Python.

**Front-End Technologies:** JavaScript, TypeScript, Angular, React, AJAX, HTML, CSS, Bootstrap, Razor, jQuery.

**.NET Frameworks:** .NET Core, .NET 5+, ASP.NET MVC, Web API, Web Forms, Web Services, WCF, Entity Framework, ADO.NET

**IDEs:** Visual Studio (2012/2015/2017+), Visual Studio Code.

**Database Management:** SQL Server, Oracle 11g, T-SQL, PL/SQL, MySQL, SSIS.

**Cloud & DevOps:** Microsoft Azure, Azure DevOps, CI/CD Pipelines, Docker, Kubernetes.

**Version Control:** Git, GitHub, Team Foundation Server (TFS), CVS, SVN.

**BI Tools:** SSRS, SSAS, Crystal Reports.

**Testing & Automation:** NUnit, XUnit, Jasmine, Karma, Selenium.

**Data & XML Processing:** XML, XSL, XSLT, JSON

**Software Architecture & Patterns:** Microservices, MVC, MVVM, SOLID Principles.

## PROFESSIONAL EXPERIENCE

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**Bank Of America**

August 2023 - Present

**Full Stack .NET Developer**

- Implemented **RESTful APIs** using **ASP.NET Core 6, Web API, and MVC** optimizing backend performance and scalability.
- Developed (SPA) using **Angular 6/7, TypeScript, and ReactJS**, ensuring dynamic and high-performance front-end experiences.
- Optimized application performance by implementing **asynchronous APIs, caching strategies (MemoryCache/Redis), and database query optimizations**, reducing latency and improving scalability.
- Migrated to **Entity Framework Core**, enhancing ORM operations and improving query execution speed.
- Refactored and optimized critical code blocks to reduce execution time, utilizing **async/await for non-blocking operations**.
- Developed and integrated **SOAP** services, ensuring seamless backend communication with third-party applications.
- Automated **CI/CD pipelines** in **Azure DevOps** to streamline deployments and enhance software delivery.
- Deployed and managed Azure resources, including **Virtual Machines (IaaS), Azure SQL Database, and Web Applications**, ensuring high availability and security.
- Worked with **SQL Server and Oracle 11g**, designing and modifying database tables, optimizing queries, and implementing stored procedures.
- Implemented authentication and authorization mechanisms using **OAuth2, JWT, and SSO**, enhancing application security.
- Developed UI components using **Kendo UI, Bootstrap, and Telerik tools**, ensuring responsive and user-friendly interfaces.
- Implemented microservices architecture using **.NET Core**, ensuring modular and scalable application development.
- Performed unit and integration testing using **Jasmine, NUnit, and integration frameworks**, ensuring code reliability and maintainability.
- Collaborated with cross-functional teams to troubleshoot issues, improve application performance, and implement best coding practices in Agile environments.
- Created detailed user manuals and training materials for system users and administrators, while also developing API documentation covering endpoints, authentication, and data structures.
- Utilized debugging tools and logs to trace and resolve production issues, ensuring minimal disruption to operations.
- Implemented proactive exception handling mechanisms to prevent recurring production errors and improve system reliability.

**Tech Stack:** C#, .NET Core, ASP.NET MVC, Web API, Angular, ReactJS, TypeScript, SQL Server, Oracle 11g, Entity Framework Core, Microservices, Azure DevOps, CI/CD, Docker, Kubernetes, Redis, OAuth2, JWT, SSO, PCI-DSS Compliance, Financial APIs,

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## Optum

November 2020 - July 2022

### Full Stack .NET Developer

- Developed **N-tier web applications** using **C#.NET, ASP.NET MVC, .NET Core, and Entity Framework** in **Visual Studio**.
- Built **RESTful Web APIs** for client applications and integrated **WPF (XAML-based UI components)**.
- Optimized **API performance** by reducing redundant **database calls** using **Redis and Memory Cache**, improving efficiency by **50%**.
- Enhanced **database performance** by consolidating queries through **batch processing and stored procedures**, reducing **round-trip times**.
- Improved **reporting performance**, cutting **generation time by 50%** via **query caching and pre-processed datasets**.
- Implemented **lazy loading and pagination** for large datasets, improving report processing speed by **40%**.
- Optimized **Excel/CSV data exports**, reducing processing time by **50%**.
- Developed **remote client access** using **RESTful Web Services** for seamless **data synchronization**.
- Utilized **Entity Framework** with **LINQ** for efficient **data retrieval, storage, and manipulation** in **SQL Server**.
- Built frontend components using **Angular 2+ and TypeScript** for UI enhancements.
- Developed **interactive reports** using **SQL Server Reporting Services (SSRS)**.
- Followed **Test Driven Development (TDD) and Behavior Driven Development (BDD)** best practices.
- Validated and integrated solution components, identifying dependencies, interface points, and optimizing performance.

**Tech Stack:** C#.NET, ASP.NET MVC, .NET Core, Entity Framework, RESTful Web APIs, WCF, Angular 2+, TypeScript, WPF (XAML), Redis, SQL Server, LINQ, SSRS, TDD, BDD.

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## Allstate

July 2019 - October 2020

### Full Stack .NET Developer

- Developed and maintained **3-Tier architecture applications** with a **Business Logic Layer (BLL)** and **Data Access Layer (DAL)** for enterprise solutions.
- Designed and implemented **web applications** using **ASP.NET, ADO.NET, Web Forms, AJAX, CSS, HTML, JavaScript, and jQuery** to enhance user experience.
- Developed **asynchronous UI validation** using **AJAX, JavaScript, and XML** for improved application responsiveness.
- Implemented **server-side and client-side validation** using **ASP.NET validation controls and JavaScript** to ensure data integrity.
- Utilized **ADO.NET** components, including **Data Reader, Dataset, and Data Adapter**, for optimized **SQL Server data access**.
- Developed and maintained **WPF MVVM applications**, implementing **IDataErrorInfo** for efficient user input validation.
- Configured and deployed applications on **IIS**, ensuring proper authentication and security compliance.
- Conducted **unit testing** and collaborated in Agile sprints to enhance application reliability.
- Designed **UML diagrams** to analyze requirements and improve system architecture.

**Tech Stack:** C#.NET, ASP.NET (Web Forms, MVC, ADO.NET), .NET Core, IIS, RESTful Web APIs, AJAX, JavaScript, jQuery, XML, WPF (MVVM), SQL Server, UML, Agile.

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## PROJECTS:

### Online Insurance Management System

- Developed an Online Insurance Management System using ASP.NET Core, C#, Entity Framework, SQL Server, and Angular/React, implementing user authentication, policy management, premium calculation, and claim processing. Integrated REST APIs for automated notifications, reporting, and role-based access control for admins, agents, and customers.

### Smart Healthcare Appointment System

- Developed a Smart Healthcare Appointment System using ASP.NET Core, C#, Entity Framework, SQL Server, and Angular, featuring doctor-patient scheduling, AI-powered symptom checking, prescription management, and Twilio API integration for notifications.

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## EDUCATION

Master's in Information Technology from Valparaiso University