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PROFESSIONAL SUMMARY

Microsoft-Certified Senior .NET Full Stack Developer/Lead with 12+ years of experience designing, architecting, and delivering scalable enterprise applications using .NET Core, ASP.NET MVC, Blazor, Angular, Azure Cloud, and Microservices architecture. Proven expertise in modernizing legacy systems, building secure distributed platforms, and leading global teams to deliver business-critical, high-performance software.

Core Highlights:

- **Enterprise Application Architecture:** Designed cloud-native, microservices-based platforms with Azure PaaS, Docker, and Kubernetes. Proven ability to lead cross-functional teams, mentor junior and offshore developers, modernize legacy applications, and implement secure, high-performance microservices using REST APIs, Entity Framework Core, and CI/CD pipelines via Azure DevOps.
- **Cloud Modernization:** Migrated 10+ legacy systems (WinForms, ASP.NET, Classic ASP, Delphi, C++/CLI) into .NET Core/Angular/React/Blazor/Azure, driving cost savings and improved scalability.
- **Leadership:** Directed multi-site teams (10–15 engineers) across US/Offshore, enforcing Agile/Scrum, CI/CD, and Test-Driven Development (TDD) with 90%+ unit test coverage.
- **Performance Optimization:** Architected caching, async messaging, and real-time services with Redis, RabbitMQ, SignalR, improving responsiveness by 25-45%.
- **Security & Identity:** Implemented OAuth2, SAML, OpenID Connect, Azure AD/AD B2C, MFA, Okta Single Sign-On (SSO) in .NET applications using OpenID Connect (OIDC) across multiple systems for enterprise-grade security.
- **AI/ML Integration:** Delivered predictive analytics, recommendation engines, and AI-powered search using ML.NET, Azure Cognitive Services, OpenAI APIs.
- **Certifications:** MCSD, MCTS, Microsoft Certified C# Specialist, HTML5/CSS3/JS Developer

TECHNICAL SKILLS/TOOLS

Programming languages:	C#, VB.NET, Java, Python, Delphi, JavaScript, TypeScript, VBScript, SharePoint
.NET Technologies:	.NET 6/8/9, .NET Core 3.1, ASP.NET MVC, Web API, WCF, Blazor, Silverlight, ADO.NET, LINQ, Entity Framework, WinForms, WebForms, Classic ASP
Front-End:	Angular (JS, 2+, 8, 9, 15, 19), PrimeNG, React (15, 17, 18, 19), jQuery, HTML5, CSS3, Bootstrap, Razor Pages, Kendo UI, WPF, XAML, SignalR, Skins & Themes, JSON, AJAX, Node.js, JavaScript, TypeScript
Database servers:	SQL Server, MySQL, PL/SQL, Oracle, MongoDB, CosmosDB
Cloud and DevOps:	Microsoft Azure (App Services, Functions, WebJobs, Azure AD/AD B2C, Cosmos DB, App Insights, Azure AD/AD B2C), Redis caching, Power BI, OnBase, OpenText, Azure DevOps, Docker, Bit Bucket, Kubernetes (AKS), CI/CD, Azure Pipelines, Service Bus
AI/Analytics:	ML.NET, Azure AI Services, OpenAI APIs, Azure Cognitive Search, Power BI, Datadog, OnBase, OpenText, Microsoft Copilot, Copilot Studio
Internet technologies:	XML, XSLT, XPath, CSS3, DHTML, HTML 4.0/5.0
Visual Modeling Tools:	Rational Rose, Microsoft Visio.
Protocols:	SOAP, REST, HTTP(S), TCP/IP
Security:	OAuth2, OpenID Connect, OKTA, SAML, MFA, JWT

Operating Systems: Windows 11/10, Windows Server 2008/12/14/16/19/22/25, Mac OS, Linux
Microsoft Tools: Visual Studio 2003/05/08/10/15/17/19/22, Code, Crystal Reports, MS Office, Power Apps, SharePoint, Copilot, Azure AI Foundry.
Version Controls: TFS, VSS, Subversion, Git, Bitbucket, Azure Repos

PROFESSIONAL EXPERIENCE

Underwriter Laboratories, Senior Full Stack .NET Developer & Lead
Location: Dallas, TX.

Sept 2019 – Current

Responsibilities:

- Developed and maintained new modules for the client-facing portal using Angular 19, .NET 9.0, SQL Azure, Azure Functions, WebJobs, and App Services.
- Spearheaded migration of legacy WinForms and ASP.NET apps to Blazor and microservices, increasing UI responsiveness by 45%.
- Led six developers across time zones and mentored 12+ developers in .NET and Azure best practices.
- Implemented, modified, and maintained IVR APIs from scratch using .NET Core.
- Created multiple Azure Functions and Web APIs for the business layer.
- Architected data flow between Windows Service, Web API, and SQL Azure.
- Worked with SQL Server Management Studio (SSMS), Oracle SQL Developer, TOAD, and Azure Storage.
- Designed self-service BI models and dashboards for finance and operations teams.
- Integrated Azure Cognitive Services and OpenAI APIs into enterprise .NET applications for NLP, sentiment analysis, and image recognition.
- Implemented Datadog monitoring across infrastructure (servers, containers, cloud services), creating comprehensive dashboards and real-time metrics.
- Developed and implemented OnBase solutions using .NET API for document management, workflow automation, and data capture.
- Implemented Python-based monitoring solutions using Datadog and custom scripts for log analysis, enhancing system observability and proactive issue resolution.
- Optimized application performance on both client-side (React component optimization, lazy loading) and server-side (efficient database queries, API caching with .NET).
- Utilized Python with Azure SDKs to automate cloud resource provisioning, monitoring, and deployment tasks.
- Architected automated ETL pipelines using SSIS and optimized SQL queries for data extraction.
- Integrated ML.NET for predictive analytics, enabling real-time decision-making from historical data.
- Implemented asynchronous messaging using RabbitMQ in microservices to improve scalability and decouple services.
- Developed custom middleware in .NET Core to handle JWT token validation, refresh tokens, and secure API endpoints with Okta access tokens.
- Created and optimized CI/CD pipelines in Azure DevOps, reducing deployment cycle time by 60%.
- Implemented MFA, OAuth2, and Azure AD/AD B2C for Single Sign-On (SSO) across applications.
- Optimized APIs with Redis caching, improving response times by 25%.
- Applied TDD methodology with 95%+ code coverage enforced through build pipelines.
- Built recommendation engines using collaborative filtering, integrated into Blazor Server/WebAssembly with HTML5, CSS3, Bootstrap, PrimeNG, and Angular.
- Developed RESTful APIs and data pipelines using Azure Service Bus, WebJobs, and Cosmos DB.
- Integrated IBM DataPower with backend systems via C# apps using MQ, HTTP, and Web Services.
- Built aggregation pipelines and complex queries in C# to support analytics and reporting.
- Developed a POC with Blazor, .NET 6, and CosmosDB, later scaled into a complete enterprise app.
- Exposure to Node Package Manager (NPM), versioning, and CLI commands.

- Integrated OnBase with third-party applications via .NET Web Services for secure document exchange and retrieval.
- Implemented state management solutions (e.g., Redux, Context API) within React applications to ensure data consistency and maintainability.
- Used Azure DevOps for tracking work items, Epics, and ADOs, and implemented automated pipelines for deployments and backups.
- Followed Test Driven Development (TDD) with Azure DevOps code reviews, enforcing 95%-unit test coverage across UI and server-side logic.
- Set up Serilog and implemented Azure App Insights.
- Configured RabbitMQ exchanges, queues, and bindings for complex routing and prioritization.
- Leveraged OpenAI APIs to embed generative AI (summarization, Q&A) into .NET desktop and web apps.
- Added OAuth2 in Angular apps to communicate with .NET Core APIs via APIM and Azure AD/AD B2C.
- Developed ML.NET pipelines within ASP.NET Core for predictive analytics, including custom classification/regression models.
- Created and maintained a WinForms app using VB to handle Azure Storage uploads/downloads.
- Hands-on debugging of production issues using browser tools, Serilog, Swagger, Postman, App Insights, and DB logs.
- Migrated manual infrastructure setups to Terraform, reducing deployment times by 60% and ensuring version-controlled, auditable changes.
- Integrated .NET log collection with Datadog for centralized analysis and troubleshooting.
- Designed an Angular 8 app, later migrated to Angular 15 and 19.
- Designed and implemented NoSQL models with MongoDB in C# for scalable architectures.
- Developed a data access layer using EF Core DB-first, LINQ, and LINQ to SQL.
- Implemented authentication with angular-oauth2-oidc, OKTA with Azure AD/AD B2C, updating attributes via Graph API.
- Utilized Entity Framework Core for efficient data access and manipulation in .NET applications, supporting complex data models for React UIs.
- Migrated apps from ASP.NET to .NET Core.
- Optimized Service Bus performance by configuring batching, prefetching, and partitioning, reducing latency
- Designed Python microservices for data ingestion and transformation, containerized with Docker, and deployed to Azure Kubernetes Service (AKS).
- Implemented PrimeNG controls and Font Awesome Icons in Angular components.
- Created image classification and object detection modules with ML.NET, integrated into Blazor.
- Fine-tuned API calls to improve web app performance.
- Developed secure integrations with IBM DataPower for SOAP/REST APIs using .NET clients.
- Implemented server-side unit tests for controllers and services, mocking repos/services before check-in.
- Contributed to cross-site teams for microservices platform design, implementation, and release.
- Enhanced performance using Redis caching, lazy loading, AOT – async rendering, and load balancers.
- Implemented OnBase document indexing, search, and retrieval, improving workflows.
- Implemented Azure AD/AD B2C authentication across multiple applications.
- Migrated a WinForms app to Blazor using Blazorise.
- Used Azure Service Bus and WebJobs to decouple APIs for scalability.
- Participated in enterprise-level architecture discussions.
- Integrated Service Bus with Azure Functions and WebJobs, enabling event-driven architectures and real-time data processing.
- Provisioned and managed Azure infrastructure using Terraform, including App Services, AKS clusters, Service Bus, and Cosmos DB, ensuring consistent, repeatable deployments.
- Worked with the offshore team to delegate tasks, review code, and enforce standards.
- Exposure to SAML, OAuth, OpenID Connect, WAM Gateway.
- Experience in cloud technologies (Docker, Kubernetes, microservices architecture).
- Migrated databases to newer encryption standards.

Cerner, Senior Software Engineer
Location: Malvern, PA.

May 2017 – Sept 2019

Responsibilities:

- Led the end-to-end migration of WinForms and WPF applications to modern web applications using a Micro Frontend architecture, creating detailed documentation and migration artifacts to ensure smooth transitions.
- Configured OpenID Connect with Azure AD for secure authentication, and implemented role-based authentication using MVC and AngularJS.
- Developed dynamic and responsive front-end interfaces using AngularJS, React.js, HTML5, CSS3, Bootstrap, and TypeScript, incorporating client-side validation and reusable UI components.
- Designed and developed RESTful APIs and microservices using ASP.NET MVC5, Web API 2.0, .NET Framework 4.6, Entity Framework, WCF, and SOAP, handling timeout synchronization and inter-service communication efficiently.
- Integrated unmanaged C++ libraries with .NET applications using C++/CLI, engineering performance-intensive components that reduced memory overhead and improved application performance.
- Applied SOLID principles, dependency injection, Facade, and CQRS design patterns to build scalable, maintainable, and high-performance software solutions.
- Built, enhanced, and maintained SSRS reports, SSIS packages, and stored procedures for reporting, transaction tracking, and project integration.
- Migrated multiple applications to the Azure cloud platform, leveraging automated CI/CD pipelines using Jenkins and Cruise Control for seamless deployment.
- Developed and maintained scalable full-stack applications, utilizing React.js for front-end development and [ASP.NET](#) Core Web API for back-end services.
- Implemented unit, integration, and in-memory tests, achieving over 80% test coverage within an Agile development environment, and worked on Selenium automation frameworks for end-to-end testing.
- Hosted applications on IIS, managing application pools and configurations for high availability and performance.
- Used Git and TFS for version control and team collaboration, while leading a 5-member offshore team in peer reviews, task delegation, and impediment resolution.
- Employed SOAP protocol for XML-based messaging between applications and enhanced inter-application communication.
- Architected scalable .NET application solutions, designing modules and microservices with performance and maintainability in mind.
- Conducted code reviews, mentored junior developers, and enforced best practices in coding, testing, and design patterns.
- Worked on Okta API Authorization Server configuration, creating custom authorization policies and rules for .NET microservices.
- Troubleshoot and optimized authentication flows by analyzing Okta system logs and improving token handling in .NET applications.
- Implemented logging, monitoring, and exception handling strategies for large-scale .NET applications to improve reliability and observability.
- Optimized application performance, including db queries, memory usage, and API response times.
- Collaborated with DevOps teams to streamline automated builds, deployments, and environment provisioning in Azure.
- Defined application security standards, including authentication, authorization, and secure data transmission, ensuring compliance with enterprise security policies.
- Provided technical leadership in Agile/Scrum teams, including sprint planning, backlog refinement, and facilitating cross-team collaboration.

- Evaluated and recommended new technologies and frameworks to improve development efficiency and application performance.

H&R Block, Software Engineer

May 2014 – Apr 2017

Location: Kansas City, MO.

Responsibilities:

- Developed and maintained software components and products that support H&R Block's core tax business applications.
- Participated in technical design and code reviews for all new enhancements and maintenance work.
- Provided significant support in migrating applications, including upgrading servers and SQL servers.
- Involved in system testing, regression testing, and performance testing.
- Extensive experience in XML, XSLT, XPath, Web Services, and WCF services.
- Used TFS extensively as a project repository for the whole project duration.
- Developed unit tests using Junit, SOAP UI, and Postman, following the Test Driven Development (TDD).
- Created HTML Helpers and Razor Views to render data onto the view from the model in MVC.
- Implemented CRUD functionality with Entity Framework in ASP.NET MVC and implemented sorting, filtering, and paging with Entity Framework in MVC.
- Enhanced Database Connectivity in implementing application-level encryption and transaction management processing with multiple threads.
- Extensive experience working with User Controls in VB.NET code-behind files, debugging and quality testing of the code, and creating functionality in networking modules using WinForms.
- Mentored junior developers in improving programming skillsets.
- Worked in an Agile (Scrum) environment, which includes short-term goals, iterative development, and daily stand-ups to understand the progress and find the impediments.
- Built AngularJS framework, including MVC architectures, modules, specific controllers, templates, custom directives, and filters.
- Skilled in building ASP.NET MVC and Web API applications, implementing routing, controllers, views, and RESTful services.
- Re-engineered batch processing workflows from COBOL into .NET background services to improve scalability and reduce processing time.
- Conducted code analysis and reverse engineering of COBOL programs to document business logic before migrating components into .Net.
- Designed and implemented the User Interface Layer using WPF.
- Responsible for performing the backend database development of stored procedures, triggers, packages, and functions within an Oracle 11g and SQL Server database environment using PL/SQL.
- Used PowerShell programming to convert RTF to PDF files and Batch Processes.
- Worked on improved performance tuning using Delphi Container and Algorithm Library (DeCAL)
- Worked directly with the Azure Product team to track and resolve defects in the Azure IAAS offering.
- Developed a Responsive UI layer utilizing semantic HTML5, Bootstrap, AngularJS, Jasmine, and REST API architecture while adhering to the latest web UI standards, design patterns, and best practices.
- Integrated third-party JavaScript libraries within the project to ease handling JSON for jQuery and AJAX
- Migrated business logic from COBOL programs to .NET microservices, ensuring functional parity, improved maintainability, and performance gains.
- Extensively tested the Digital Strategy website for cross-browser compatibility on real browsers, multiple desktops, and mobile browsers.
- Used Data Bound Controls, Grid View, Detail View, Form View, and LINQ with ASP.NET pages.
- Worked on creating technical documents and migrating the application from Delphi to ASP. Net.
- Involved in developing WCF Web Service using SOAP/HTTP to communicate with legacy systems.
- Worked with Client/Server tool SQL Server Management Studio to create T-SQL objects like functions, Stored Procedures, and triggers.
- Faced various troubleshooting and support issues using Bomgar.

- Hands-on experience with collections, generics, delegates, and events in C#, applying them in enterprise applications.
- Provide quick fixes and real-time solutions for production issues.

Tata Consultancy Services Ltd., Systems Engineer
Location: Mumbai, India.

June 2012 - July 2013

Responsibilities:

- Involved in drafting requirements and maintaining thorough communication with the analysts/customers.
- Migrated an internal application from classic ASP to ASP.NET and enhanced usability with AJAX, HTML5, CSS3, and JavaScript standards.
- Developed reusable user controls using Classic ASP, VB.NET, and ASP.NET.
- Worked with third-party controls like Telerik, Aspose, jQuery UI, and Ajax extender to develop a rich, responsive user interface.
- Designed web pages using Master pages and created some rich server controls like Data Grid and Data List controls using ASP.NET.
- Developed Master Pages and User Controls in many applications to make them more interactive.
- Developed CSS files that will help design the look & feel of UI.
- Used ASP.NET, AJAX Server Control, and toolkit to asynchronously retrieve data from the server for better performance and increased interactivity on web pages.
- Extensively used JavaScript, validation controls, and custom validation controls to validate web forms.
- Created WCF services using C#, ADO.NET, and Oracle.
- Involved in resolving browser compatibility and version compatibility problems.
- Developed a reusable custom data-access layer using ADO.NET.
- Controlled the style and layout of various Web Forms using CSS.
- Developed Web User Controls for reusability.
- Used ASP.NET, AJAX Server Control, and toolkit to asynchronously retrieve data from the server for better performance and increased interactivity on web pages.
- Extensively used Data Readers, Datasets, and Data Adapters to establish a connection and DML commands to update the business data.
- Involved in writing Client-side and Server-side scripting.
- Worked on XSL and XSLT for document presentation and transformation.
- Created a unit test framework using NUnit from scratch.
- Worked on filtering client requests prone to SQL Injection and XSS vulnerabilities.
- Used Data Transformation Services to import the data into SQL Server from heterogeneous data sources like Excel, Access, and Oracle.
- Unit-tested during the code development process and participated actively in the integration testing.

National Institute of Plant Health Management, Jr. Developer
Location: Hyderabad, India

Dec 2011 – May 2012

Responsibilities:

- Established a strong foundation on OOP concepts and the .NET Framework.
- Extensively worked on designing and developing a Web-Based application in an n-tier architecture environment using ASP.NET and VB, Visual Studio.NET 2008, and MS SQL Server 2008 as the back-end database.
- Designed and coded application components in an Agile environment utilizing a test-driven development (TDD) approach.

- Implemented Windows authentication and Custom authentication against the SQL Server database using Windows form controls, and used WPF for designing UI
- Written JavaScript and jQuery functions for client-side code to implement different functionalities in events, validation, listeners, and multi-thread web applications using C#.
- Implemented DAL using ADO.NET components like Data Set, Data Provider, and Data Reader to store and retrieve database information. Developed the server-side code using C#, VB.NET, and client-side code using JavaScript with Visual Studio
- Implemented Microsoft ASP.NET AJAX Extender Controls like AutoComplete, Animation, DragPanel, and Calendar controls to provide a rich and user-friendly user interface.
- Designed the business logic and implemented it by creating interfaces, abstract classes, static classes, and sealed classes
- Designed user interface screens and implemented application logic in Microsoft .NET Framework using ASP.NET 3.0, C#.
- Involved in Unit Testing and Integration Testing regularly to improve the application's performance.

EDUCATION

M.S. in Information Technology – University of Central Missouri, USA

GPA: 3.90/4.0 | Aug 2013 – Dec 2014

B.S. in Computer Science Engineering – JNTU, Hyderabad, India

GPA: 3.63/4.0 | Sept 2008 – May 2012

CERTIFICATIONS, PROJECTS, AND ACHIEVEMENTS

- Microsoft Certified: C# Specialist
- Microsoft Certified: HTML5, CSS3, and JavaScript Developer
- Microsoft Certified Solution Developer (MCSd)
- Microsoft Certified Technology Specialist (MCTS)
- NIIT Certified Web application development
- Migrated 4+ enterprise applications to Azure PaaS, saving \$650K annually in infrastructure costs.
- Architected a Blazor-based app for business analysts that reduced reporting time by 70%.
- Implemented SSO and centralized auth for five internal systems using Azure AD/AD B2C and OAuth2.

DECLARATION

I do, at this moment, declare that the above is true, complete, and correct to the best of my knowledge and belief.