SAI DIVYA KOLAKALURI
Senior .NET Full Stack Developer
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PROFESSIONAL SUMMARY

Senior .NET Full Stack Developer **with 8+ years of** experience designing, developing, and supporting enterprise-scale web applications and **backend systems** across transportation, compliance, research, and public-sector domains. Strong expertise in **C#, .NET Core, ASP.NET MVC, Web API, Angular, SQL Server, Oracle**, and **Azure cloud services**. Proven experience in modernizing legacy applications, implementing clean and scalable architectures, and delivering high-performance, secure solutions in Agile environments. Hands-on experience with **microservices**, containerization using **Docker, CI/CD pipelines, and Azure DevOps**. Adept at production support, root cause analysis, and collaborating with cross-functional teams to deliver reliable and business-critical applications.

TECHNICAL SKILLS:

- ➢ **Programming Languages:** C#, JavaScript, TypeScript, PL/SQL
- ➢ **Backend Technologies:** .NET Core, .NET 6/7, ASP.NET MVC, ASP.NET Web API, RESTful Services, Entity Framework, Dapper, Windows Services, Microservices Architecture
- ➢ **Frontend Technologies**: Angular, AngularJS, HTML5, CSS3, Bootstrap, jQuery
- ➢ **Databases:** SQL Server, Oracle, Stored Procedures, Query Optimization, Database Design
- ➢ **Cloud & DevOps:** Microsoft Azure (App Services, Azure SQL, Azure Storage, Azure DevOps), Docker, CI/CD Pipelines, Release Management
- ➢ **Testing & Quality:** xUnit, NUnit, Unit Testing, Integration Testing, Code Coverage
- ➢ **Tools & Methodologies:** Git, GitHub, Azure DevOps, TFS, Jira, Agile Scrum, Sprint Planning, Code Reviews
- ➢ **Architecture & Design:** Object-Oriented Programming (OOP), SOLID Principles, Dependency Injection, Layered Architecture, REST API Design

PROFESSIONAL EXPERIENCE

Senior Software Engineer (.NET Full stack) | Cubic Corporation
San Diego County, CA | April 2020 – Nov 2025

Project Description: Designed, modernized, and owned **mission-critical enterprise applications** for public transportation authorities and government agencies. Systems supported **24x7 high-availability operations**, real-time processing, automated workflows, and secure third-party integrations. The work included **migrating legacy VB.NET applications to C# and .NET Core**, building REST-based services, implementing containerized architectures, and deploying solutions on **Microsoft Azure** with strict performance, security, and reliability requirements.

Roles & Responsibilities:

- Served as a **core technical owner** for enterprise applications over six years, contributing to architecture decisions, modernization efforts, and long-term system stability.
- Led large-scale **migration of legacy VB.NET systems to C# and .NET Framework / .NET Core**, improving maintainability and scalability.
- Designed and developed **Windows applications and Windows services** to support automated workflows, system integrations, and real-time operational processes.
- Designed and implemented **RESTful Web APIs and .NET Core services**, enabling secure, high-volume data exchange across internal and external systems.
- Applied **object-oriented design principles, SOLID patterns, dependency injection, and layered architecture** to build scalable and maintainable solutions.
- Implemented **Docker-based containerization**, ensuring environment consistency across development, testing, and production.
- Built and maintained **CI/CD pipelines using Azure DevOps**, automating builds, testing, and deployments with minimal downtime.
- Worked extensively with **SQL Server and Oracle**, designing schemas, writing stored procedures, and optimizing queries for high-volume systems.
- Implemented **logging, monitoring, and health checks** using **Azure tools** to proactively detect and resolve performance issues.
- Played a key role in **production support and incident management**, performing root cause analysis and delivering permanent fixes for high-severity issues.
- Took ownership of **business-critical applications**, acting as the primary point of contact for enhancements, support, and knowledge transfer.
- Collaborated with **product owners, QA, DevOps, and stakeholders** to gather requirements and deliver enhancements aligned with operational needs.
- Developed **unit and integration tests using xUnit**, improving test coverage and reducing regression issues.
- Maintained **technical documentation, deployment guides, and runbooks** to support teams and onboarding.
- Actively participated in **Agile Scrum ceremonies**, contributing to planning, estimation, and continuous improvement.

Environment: C#, .NET Framework, .NET Core, ASP.NET Web API, Windows Applications, Windows Services, REST APIs, Microservices, Entity Framework, Dependency Injection, SOLID, SQL Server, Oracle, Docker, Microsoft Azure, Azure DevOps, CI/CD Pipelines, Git, xUnit, Logging & Monitoring, Agile Scrum

Software Developer | The Climate Registry
Los Angeles, CA | May 2019 – Oct 2019

Project Description: This project focused on enhancing a compliance and reporting platform used by organizations to track and manage environmental and climate-related data. The system supported data ingestion, analytics, reporting, and third-party integrations, enabling clients to make informed, data-driven decisions.

Roles & Responsibilities
- Developed backend components using **C# and ASP.NET MVC**, following layered architecture and dependency injection principles.
- Designed and implemented **REST APIs** to support data ingestion, reporting workflows, and integration with external systems.
- Built responsive and user-friendly frontend features using **AngularJS, JavaScript, HTML5, and CSS3**, improving usability and engagement.
- Collaborated with product owners to translate business requirements into technical designs and scalable solutions.
- Implemented robust validation and error-handling mechanisms to ensure data accuracy and application stability.
- Optimized **SQL Server queries and stored procedures**, reducing database load and improving report generation performance.
- Wrote comprehensive **unit tests using xUnit**, increasing test coverage and minimizing production defects.
- Assisted in modernizing legacy modules by refactoring older code to align with updated ASP.NET MVC standards.
- Participated in code reviews and knowledge-sharing sessions to promote best practices and maintain code quality.
- Supported deployment and post-release validation activities to ensure smooth feature rollouts.

Environment: C#, ASP.NET MVC, REST APIs, AngularJS, JavaScript, HTML5, CSS3, SQL Server, xUnit, Git, Agile

.Net Developer| University of Connecticut
Storrs, CT | Sep 2018 – May 2019

Project Description: Developed and enhanced **internal research and data analysis platforms** used by university teams to aggregate, process, and analyze academic and operational data. The application supported **dashboard visualizations, reporting, and multi-source data integration**, built using a full-stack architecture with ASP.NET, AngularJS, and SQL Server.

Roles & Responsibilities
- Developed internal web applications and dashboards using **ASP.NET and AngularJS** to support research analysis and reporting.
- Built backend components and **RESTful services** to enable secure data access and system integration.
- Designed and maintained **SQL Server schemas and stored procedures** for data-intensive reporting.
- Integrated multiple internal and external data sources using **REST APIs**.
- Implemented **data validation, error handling, and exception management** to ensure system reliability.
- Provided production support by diagnosing data workflow issues and implementing permanent fixes.
- Collaborated with researchers and stakeholders to translate requirements into technical solutions.
- Refactored legacy components to improve performance and maintainability.
- Participated in **Agile ceremonies** including sprint planning and reviews.

Environment: C#, ASP.NET, AngularJS, JavaScript, HTML5, CSS3, REST APIs, SQL Server, Stored Procedures, Git, Agile

Application Developer | National Registry of Emergency Medical Technicians
Columbus, OH | Sep 2017 – June 2018

Project Description: Developed and supported **enterprise web applications** for certification, examination, reporting, and operational workflows. The system handled **high-volume transactions**, secure internal access, and integrations with external systems using ASP.NET and Oracle.

Roles & Responsibilities
- Developed and maintained enterprise web applications using **C# and ASP.NET**.
- Designed and implemented **RESTful APIs** for internal and external system integration.
- Developed and optimized **Oracle schemas and PL/SQL stored procedures** for transactional processing.
- Enhanced UI functionality using **JavaScript, jQuery, and AngularJS**.
- Implemented server-side and client-side validations to improve data integrity.
- Added logging and exception handling to improve application stability.
- Supported production releases and resolved post-deployment issues.
- Collaborated with QA and business teams to validate functionality and compliance.

Environment: C#, ASP.NET, AngularJS, JavaScript, jQuery, HTML5, CSS3, REST APIs, Oracle, PL/SQL, Git, Agile

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Software Engineer |Apcote Solutions
Dallas, TX | May 2016 – Jul 2017

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Project Description: Worked on **enterprise web applications** supporting internal operations, reporting, and data management. Applications were built using ASP.NET and SQL Server with a focus on scalability, performance, and maintainability.

Roles & Responsibilities

- Developed web applications using **ASP.NET and C#**, implementing backend business logic.
- Designed **layered application architecture** to improve maintainability and testability.
- Developed and consumed **RESTful services** for frontend and third-party integration.
- Built responsive UI components using **AngularJS, JavaScript, HTML5, and CSS3**.
- Designed and optimized **SQL Server tables and stored procedures**.
- Wrote **unit tests using NUnit** to reduce regression defects. Supported deployments and resolved production issues.
- Worked with QA and business teams to ensure timely delivery.

Environment: C#, ASP.NET, AngularJS, JavaScript, HTML5, CSS3, REST APIs, SQL Server, Stored Procedures, NUnit, Git, Agile

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.NET Full Stack Developer | 24/7.ai
Hyderabad, India | Jun 2013 – Dec 2014

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Project Description: Developed **business applications** for small and mid-sized clients to manage operational data, reporting, and user interactions using the .**NET Framework** and **SQL Server.**

Roles & Responsibilities

- Developed backend services and application logic using **C# and .NET Framework**.
- Built responsive user interfaces using **AngularJS, JavaScript, HTML5, and CSS3**.
- Implemented **CRUD operations** using ASP.NET and Entity Framework.
- Designed and maintained **SQL Server databases and stored procedures**.
- Fixed defects and optimized legacy modules for better performance.
- Implemented validations and exception handling for application stability.
- Collaborated with senior developers to deliver business features. Supported testing, deployment, and post-release maintenance.

Environment: C#, .NET Framework, ASP.NET, Entity Framework, AngularJS, JavaScript, HTML5, CSS3, SQL Server, Git, Agile

EDUCATION

- Master of Science in Computer Science – National University - 2016
- Bachelor of Technology in Computer Science – KL University - 2014