

Surendra Rayapati

Lead software engineer Angular | .Net8 | ASP.Net Core | SQL Server|
JavaScript / Type script | TDD | Azure Cloud

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GitHub : <https://github.com/SurendraR/>

Portfolio: <https://surendrar.github.io/>

Dedicated and results-driven senior full stack developer with 14+ years of hands-on experience on analysis to deployment in every phase of software development. Seeking a challenging role to leverage expertise in end-to-end application development using .net, angular, cloud technologies to contribute to a dynamic team.

Technical Skills

Front-end Development	Angular, HTML5, CSS3, TypeScript, Angular, Angular Material and Bootstrap
Back-end Development	C#, Net8/6, .NET Core, .NET Framework, Web API, WCF, Dapper, Python, NodeJs
Cloud and Serverless	Cosmos DB, AppInsights, Azure Functions, Azure Configuration, Microsoft EntraID, Azure Key Vault, Azure App service, Azure Configuration, Azure Service Bus
Container Technologies	Docker, Kubernetes
Database Development	SQL Server
Version control	Git, GitHub, Azure DevOps
Testing Framework	NUnit,XUnit,Jasmin

Work Experience

NC DOT

Mar 2024 - Now

Senior software engineer | Raleigh, North Carolina, USA

NCDOT modernizations applications

Responsibilities:

- Designed and developed .NET 8 APIs, incorporating best practices and optimizing performance.
- Designed and implemented cutting-edge user interfaces using a modern tech stack, including HTML5, CSS3, TypeScript, Angular, JSON, and Bootstrap, resulting in responsive, intuitive, and visually appealing front-end solutions.
- Architected reusable components, significantly reducing development time by 30% and improving code consistency, while conducting training sessions to ensure effective utilization by the team.
- Experience in building azure functions for APIs and implemented Azure functions orchestration.
- Improved the performance of APIs by 30% using Azure AppInsights and Azure monitor identifying application bottlenecks.
- Analyzed enterprise cloud native applications generating reports dependency reports, build order using Powershell commands.
- Implement a scalable and efficient vehicle registration and licensing system using Azure Service Bus to handle high-volume transactions and improve processing times
- Leveraged Dapper micro-ORM to optimize data access layer performance.
- Created complex database stored procedures and improved performance of procedure using SQL Profiler.
- Experience in implementing CI/CD pipelines using Azure pipelines, and SonarQube integration.
- Exposed to managing and maintaining Kubernetes clusters, ensuring high availability and scalability for containerized applications.

- Implemented Unit Testing, Integration Testing and System Testing using NUNIT.

Technologies: .Net 8, Angular, Docker, Kubernetes, Azure functions, Azure Service Bus, Azure DevOps, SQL Server, PowerShell, NUnit, Jasmin

Lead Software Engineer

May 2023 - Mar 2024

OpenText | Hyderabad, Telangana, India

File360: Product for control over critical information, improve the quality of business decisions.

Responsibilities:

- Assumed responsibility for transitioning the product handover from the On-site team, which has diverse applications such as administration, design, reporting, and diagnostics, and facilitated team members in understanding and utilization of the product.
- Designed and implemented user interface using HTML5, CSS3, Typescript, Angular, JSON and Bootstrap.
- Designed and developed RESTful Apis to communicate with multiple clients of the product.
- Created database tables, stored procedures for responding to the requests coming from the APIs.
- Used SQL Profiler for capturing the query activity and identifying costly operations and enhanced database performance by 30%
- Implemented Unit Testing, Integration Testing and System Testing using NUNIT, Jasmine
- Used Blackbuck, fortify, web inspect for scanning the application for security vulnerabilities.
- Created pipelines for the building and generating installers for the product.
- Deployed and tested the application on Kubernetes environment.

Technologies: .Net 3.1, Angular, Typescript, Docker, Kubernetes, Azure Cloud, SQL Server

Staff Software Engineer

Oct 2021-May 2023

Micron Technology

PLN 45: Application enables planning team to forecast the demand.

Responsibilities:

- Worked on application development using Micron's proprietary internal framework built on monorepo, significantly enhancing efficiency and productivity across multiple projects.
- Architected and implemented a suite of reusable components, while providing strategic guidance on application architecture, resulting in a 30% reduction in development time.
- Collaborated extensively with product owners to transform complex requirements into clear, actionable user stories, and provided accurate estimations for product backlog implementation.
- Conducted comprehensive Angular training sessions for the development team, resulting in a 40% increase in Angular proficiency across the department.
- Built Azure Devops CI/CD pipelines and configured and integrated sonar analysis for .NET Core applications within the CI/CD pipeline, centralizing code quality metrics and enhancing overall software reliability.

Technologies: .Net 6, Angular 14, High Charts, AgGrid, NGRX, Big Query, Azure Cloud

Senio Software Engineer

Aug 2019 - Oct 2021

EPAM Systems | Hyderabad, India

Loop IT: It's a product developed for healthcare industry clients to provide a feedback platform for the clients.

Responsibilities:

- Built the Angular application architecture, identifying libraries to facilitate rapid application development.

- Developed dynamic forms for the application, improving user interaction and data handling to save 20% of development time on client application.
- Achieved over 70% code coverage by writing comprehensive Jasmine test cases, ensuring high-quality and reliable code.
- Developed .NET Core services for the application using Azure functions and cosmos DB enhancing scalability and performance.
- Engaged in every phase of product development, ensuring seamless integration and delivery of high-quality solutions.

Technologies: Angular, Angular Material, Bootstrap, .Net Core, Cosmos DB, SQL Server.

Lead Software Engineer

Feb 2016 - Aug 2019

OpenText | Hyderabad, India

eDocs: EDocs is the content management product of OpenText Technologies

Responsibilities:

- Implemented new features for OpenText eDocs smart UI, developing responsive solutions for mobile, tablet, and desktop platforms, ensuring a seamless hybrid application experience.
- Developed and maintained Web APIs to address feature requests and resolve bugs, improving overall system functionality and user experience.
- Designed and created optimized stored procedures and dynamic SQL queries to enhance database performance and functionality.
- Authored comprehensive unit tests for cross-device functionality, ensuring consistent performance across multiple platforms.
- Engineered PowerShell scripts to automate the development build process, which improved efficiency by 40% and reduced manual errors.

Technologies: ASP.Net, SQL server, WCF, Web API, Angular 12, Bootstrap. CSS3. Java script, PowerShell

Lead Software Engineer

Feb 2016 - Aug 2019

OpenText | Hyderabad, India

MBPM: It's a business process management product of OpenText Technologies. It's developed to automate the business processes followed by organizations.

Responsibilities:

- Designed and developed RESTful services using Web API, ensuring robust and scalable backend solutions.
- Created Angular applications optimized for compatibility across desktop, tablet, and mobile platforms, delivering seamless user experience.
- Built reusable components to streamline the development and maintenance of reporting features, enhancing productivity and consistency.
- Collaborated with UX designers to understand design requirements and discuss user experience improvements, ensuring alignment with project goals.
- Coordinated with Product Management and participated in sprint planning to prepare for upcoming releases of product service packs and hot fixes, ensuring timely and efficient delivery.

Technologies: ASP.Net Web API, ASP.Net, SQL server, Angular, Bootstrap, HTML 5, JavaScript

Senior Software Engineer

Nov 2010 - Feb 2016

Wipro | Hyderabad, India

Percana: It's a comprehensive enterprise solution that can be used to manage a wide range of Life and Pension products.

Responsibilities:

- Developed sophisticated Windows client applications using Windows Presentation Foundation (WPF), delivering robust and user-friendly desktop solutions.
- Implemented WCF SOAP services, while gaining valuable exposure to web interface development using MVC and Web API frameworks.
- Significantly improved database query performance through optimization techniques, enhancing overall application responsiveness and user experience.

Technologies: ASP.Net, Web API, SQL Server, WCF, SQL Server

AHM eQuote: It's a system where the business users can request a quotation to supplier for spare parts and compare them before finalizing the supplier.

Responsibilities:

- Developed robust components for business and data tiers using C#.NET, ADO.NET, and Entity Framework, demonstrating strong proficiency in backend technologies.
- Built client applications using HTML5, bootstrap and JQuery.
- Authored efficient stored procedures and functions to optimize database operations and enhance application performance.
- Contributed to the creation of wireframes for customer walkthroughs, showcasing an ability to bridge technical implementation with user experience design.
- Created complex SQL queries and stored procedures to meet diverse data retrieval and manipulation requirements, highlighting advanced database skills.

Technologies: ASP.NET MVC, SQL Server, jQuery, HTML 5

Education

Birla Institute of Technology and Science, Pilani

Master's degree Software Engineering

JKC College, Guntur

Bachelor of Science (B.Sc.) Mathematics, Electronics and Computers

Certificates

Microsoft Certified: Azure Developer Associate

Microsoft

NodeJS and Mean stack for Beginners - In easy way

Udemy