

Surendra Rayapati

Lead software engineer

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Raleigh, North Carolina

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

Back-end Development	C#, Net8/6, .NET Core, ASP.Net MVC, .NET Framework, Web API, WCF, Python, NodeJS
Front-end Development	Angular, HTML5, CSS3, TypeScript, Angular Material and Bootstrap
Cloud and Serverless	Azure Functions, Azure AppInsights, Azure Configuration, Microsoft EntraID, Azure Key Vault, Azure App service, Azure Configuration, Azure Service Bus, Redis Cache, Blob Storage, azure container registry
Container Technologies	Docker, Kubernetes
Database Development	SQL Server, Cosmos DB
Version control	Git, GitHub, Azure DevOps, tfs
Testing Framework	NUnit, XUnit, Jasmine

Work Experience

Senior software engineer | Ana-data Consulting INC

Mar 2024 - Now

NCDOT - Modernization of applications

.NET 8 | Azure Functions | Azure Service Bus | Dapper | Redis Cache | Angular | Bootstrap | Azure DevOps | Docker | Kubernetes | SQL Server | PowerShell | NUnit | Jasmin

Responsibilities:

- Architected Angular applications for NCDOT, utilizing NGRX for state management and following TDD practices.
- Architected .NET 8 Web APIs and microservices, implementing appropriate design, logging, and monitoring practices.
- Built custom .NET templates to enforce standards for new projects, reducing boilerplate code effort by 70%.
- Developed NuGet packages for internal applications, reducing development effort by 15%.
- Analyzed enterprise cloud-native applications, generating dependency and build order reports using PowerShell commands, which reduced manual research effort.
- Leveraged the Dapper micro-ORM to optimize data access layer performance.
- Implemented CI/CD pipelines using Azure Pipelines.
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications.

Lead Software Engineer | OpenText Technologies

May 2023 - Mar 2024

Product development: File 360 (Enterprise Content management), MBPM (BPM), eDocs

Net 6 | Angular | Typescript | Docker | Kubernetes | Azure Cloud | SQL Server

Responsibilities:

- Assumed responsibility for transitioning the product handover from the on-site team, encompassing diverse applications such as administration, design, reporting, and diagnostics.
- Collaborated with Product Management and the Sales team in product roadmap design, prioritization, and release planning discussions.
- Designed and developed scalable RESTful APIs, adhering to CLEAN Code and SOLID principles.
- Worked on a multi-client BPM product (MBPM) modernization using Angular and .NET 6, following organizational style guides and collaborating closely with the Product Owner and UX Designer.

- Developed highly maintainable and testable reactive dynamic forms and reusable components for the Angular application, reducing development time by 40%.
- Implemented features on eDocs Angular Mono repo windows and office extensions.
- Implemented TDD for new feature development, utilizing MSTest for C# and Jasmine for Angular.
- Spearheaded the product release process, including release build preparation, security scanning with WebInspect, Blackduck, and Fortify, and security team review, as well as release documentation.

Staff Software Engineer | Micron Technology

Oct 2021-May 2023

PLN 45: Application enables planning team to forecast the demand

.Net 6 | Angular 14 | High Charts | AgGrid | NGRX | Big Query | Azure Cloud

Responsibilities:

- Worked on application development using Micron's proprietary internal Angular framework built on a monorepo, significantly enhancing efficiency and productivity across multiple projects.
- Participated as part of the Technical Roadmap team to establish guidelines for engineering and monitoring applications.
- Architected and implemented a suite of reusable components while providing strategic guidance on application architecture, resulting in a 30% reduction in development time.
- Spearheaded the development of high-performing .NET 6 APIs, adhering to clean code practices and SOLID principles.
- Collaborated extensively with product owners to transform complex requirements into clear, actionable user stories and provided accurate estimations for product backlog implementation.
- Built Azure DevOps CI/CD pipelines and configured and integrated SonarQube for .NET Core applications within the CI/CD pipeline, centralizing code quality metrics and enhancing overall software reliability.

Senio Software Engineer | EPAM Systems

Aug 2019 - Oct 2021

Product Development: LoopIT (Health care), Dante (London Stock Exchange)

.Net Core 3.1 | Azure functions | Cosmos DB | Angular | Angular Material | Azure DevOps | Docker | Kubernetes | SQL Server | Install Sheild | Amazon S3 | Cloud Watch | Amazon RDS

Responsibilities:

- Developed .NET Core services for the application leveraging Azure Functions, Azure Search, and Cosmos DB, significantly enhancing scalability and performance.
- Architected the Angular application framework for a new, responsive healthcare web application, selecting appropriate libraries to accelerate development.
- Achieved over 70% code coverage by implementing comprehensive Jasmine test suites, ensuring high code quality and reliability.
- Ensured high-quality software delivery through adherence to engineering best practices, clean code principles, and SonarQube integration for OWASP security vulnerability detection.
- Developed .NET utility tools to streamline repetitive tasks involved in migrating documents to Amazon S3 from on-premises file shares.
- Developed SQL Server scripts for real-time database deadlock monitoring and implemented automated responses to improve user experience.
- Collaborated closely with SREs to identify and resolve database bottlenecks, tuning stored procedures to reduce response times and eliminate deadlock conditions during bulk operations.

Lead Software Engineer | OpenText

Feb 2016 - Aug 2019

Product Development: MBPM (BPM), eDocs(Enterprise Content Management)

.Net 6 | WPF | WCF | Angular | Azure DevOps | Docker | Kubernetes | SQL Server | Install Sheild

- Architected the Angular application for eDocs product modernization, strategically prioritizing and developing features across multiple releases.
- Developed REST APIs for the eDocs application using Python to support backend functionality.
- Designed and developed RESTful services for MBPM (Multi-Client BPM product) using Web API, ensuring robust and scalable backend solutions.

- Developed features across diverse client platforms (Windows, Web, and Windows Server) utilizing C#, Java, C++, and SQL Server technologies.
- Designed and created optimized stored procedures and dynamic SQL queries to significantly enhance database performance and functionality.
- Collaborated with Product Management and actively participated in sprint planning to facilitate timely and efficient delivery of product service packs, hotfixes, and major releases.
- Managed the release of product hotfixes, service packs, and major releases, overseeing development and testing across multiple Windows Server environments.

Senior Software Engineer – Wipro Technologies

Nov 2010 - Feb 2016

Percana: It's a comprehensive enterprise solution for managing a wide range of Life and Pension products.

ASP.Net | WCF | WPF | SQL Server

Responsibilities:

- Developed robust components for business and data tiers using C#.NET, ADO.NET, and Entity Framework, demonstrating strong proficiency in backend technologies.
- Implemented WCF SOAP services, while gaining valuable exposure to web interface development using MVC and Web API frameworks.
- Built client applications using HTML5, bootstrap and jQuery.
- Developed sophisticated Windows client applications using Windows Presentation Foundation (WPF), delivering robust and user-friendly desktop solutions.
- Significantly improved database query performance through optimization techniques, enhancing overall application responsiveness and user experience.

Education

Master's degree Software Engineering | Birla Institute of Technology and Science, Pilani | 2011-14

Bachelor of Science (B.Sc. Computers) | Pilani | JKC College, Guntur | 2007-10

Certificates

Azure Developer Associate | Microsoft

NodeJS and Mean Stack for Beginners - In easy way | Udemy