**ANIL KUMAR NAMA**

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## ****Senior .NET Full Stack Developer****

### ****Professional Summary****

* Over 13 years of experience in full-stack development, specializing in .NET technologies with expertise in all phases of the Software Development Life Cycle (SDLC), including design, development, testing, and deployment.
* Expertise in .NET Core (5, 6, 7, 8+), ASP.NET, ASP.NET Core MVC, C#, Web API, Entity Framework, WCF, Windows Services, and VB.NET, along with Angular and ReactJS for developing scalable web applications.
* Extensive experience in design patterns such as Singleton, Factory, CQRS, and Circuit Breaker, implementing Use Case, Class, Sequence, and Deployment diagrams for scalable .NET application architecture.
* Strong knowledge of architectures like Onion, MVC, N-Tier, and Microservices to develop scalable, maintainable, and high-performance applications.
* Strong expertise in developing and consuming Web APIs (REST & SOAP), ensuring secure, scalable, and well-documented integrations with external systems. Hands-on experience with **Kafka for event-driven microservices communication**, enabling asynchronous messaging and decoupled system architecture.
* Hands-on expertise in ORM frameworks like ADO.NET, Entity Framework, and Entity Framework Core for efficient database access and management.
* Skilled in handling data formats such as JSON and XML for structured data exchange between applications.
* Experienced in Azure Cloud services, including Azure API Gateway, for building and deploying scalable cloud solutions.
* Strong experience in API Gateway management using Azure API Management and AWS API Gateway for secure and scalable microservices communication.
* Designed and developed custom SharePoint solutions using SharePoint Server Object Model, C#, and ASP.NET to automate business processes and enhance collaboration.
* Hands-on experience in CI/CD pipelines using Azure DevOps and Jenkins for automated builds, testing, and deployments.
* Expertise in deploying web applications on Azure using Azure App Services, Azure SQL Database, and Blob Storage.
* Experience working in Agile (SCRUM) environments, actively participating in sprint planning, daily stand-ups, and retrospectives.
* Optimized SQL queries and indexing strategies, leading to a **30% performance improvement** in database operations.
* Designed and implemented CI/CD pipelines, reducing deployment time and increasing software reliability.
* Expertise in **performance tuning, load balancing, and security best practices**, including OAuth, JWT, API Gateway, and caching strategies.
* Skilled in front-end development using **Angular 18, TypeScript, Nodejs, AngularJS, HTML, CSS, JavaScript, Bootstrap, jQuery, and Ajax** for developing dynamic and responsive UI.
* Extensive experience in SQL Server, PostgreSQL, and MongoDB, ensuring efficient data management and high-performance database applications.
* Strong expertise in unit testing, integration testing, and mocking using **XUnit, NUnit, MSTest, and Moq**.
* Experience with front-end testing frameworks such as **Karma, Jasmine, Jest, Mocha, and Chai** for ensuring robust UI functionality.
* Skilled in API testing and documentation tools, including **Postman, SOAP UI, and Swagger UI** for validating RESTful and SOAP-based APIs.
* Expertise in **Azure DevOps CI/CD**, automating build, test, and deployment pipelines, and managing source control with **Git**.
* Hands-on experience with **Docker and Kubernetes** for containerization and scalable deployments, along with **GraphQL API development** for optimized data querying and **gRPC** for high-performance microservices communication.
* Experience in Infrastructure as Code (IaC) using **Terraform** for cloud automation and efficient infrastructure management.
* Proficient in monitoring and logging using **ELK Stack (Elasticsearch, Logstash, Kibana)** for real-time analytics and debugging.
* Extensive experience deploying .NET Core applications on **Azure App Services, Azure SQL Database, Blob Storage, and Azure Functions** with a focus on scalable cloud architecture.
* Skilled in using **SonarQube** and other code quality tools for continuous code analysis, ensuring maintainability, security, and performance.
* Strong version control expertise with **Git, SVN, and TFS**, managing repositories, branching, merging, and versioning.
* Experienced with development tools such as **Visual Studio, Visual Studio Code, and SQL Server Management Studio (SSMS)** for efficient coding, debugging, and deployment.
* Strong collaboration skills, working with cross-functional teams, developers, business analysts, and stakeholders to deliver high-quality software solutions.

### ****Technical Skills****

* **Languages & Frameworks:** C#, .NET Core, ASP.NET MVC, Web API, LINQ, Entity Framework Core.
* **Front-End Technologies:** Angular 16-18, ReactJS, TypeScript, JavaScript (ES6+), HTML5, CSS3, Bootstrap, RxJS
* **Databases:** SQL Server, MySQL, PostgreSQL, MongoDB, DynamoDB
* **Cloud & DevOps:** AWS (EC2, Lambda, S3, API Gateway), Azure (App Services, Functions, Service Bus, Blob Storage, Logic Apps), Docker, Kubernetes
* **Tools & Version Control:** Git, Bitbucket, Azure DevOps, Jenkins, JIRA, Postman, Swagger, SoapUI
* **Testing Frameworks:** NUnit, XUnit, Jest, Karma, Jasmine, Cucumber
* **API Development & Integration:** RESTful APIs, JSON, XML, SOAP, Kafka, Event-Driven Architecture.

### ****Professional Experience****

### ****Navistar Inc, IL, USA.****

### ****Sr. .NET Full Stack Developer | Aug 2023 – Present****

* Involved in all phases of SDLC, including Design, Development, Testing, Deployment, Maintenance, and Documentation, ensuring smooth project progression from concept to production.
* Designed and implemented microservices architecture using .NET Core and Node.js, containerized with Docker and Kubernetes for scalability.
* Developed responsive web applications using Angular 18, Node.js and .NET Core, ensuring real-time data updates for dynamic content delivery.
* Implemented SOLID principles in microservices design, ensuring maintainability, modularity, and separation of concerns.
* Built GraphQL APIs for optimized data retrieval and efficient client-side interactions.
* Integrated Azure API Management for securely exposing and managing API traffic.
* Developed RESTful APIs and web services, integrating external systems for seamless data exchange.
* Used Redis for caching to improve API response times and enhance performance.
* Implemented gRPC for high-performance communication between microservices.
* Developed a scalable web application on Azure, leveraging Azure App Services, Azure SQL Database, and Azure Blob Storage for hosting, persistence, and file storage.
* Built serverless solutions using Azure Functions for automation and event-driven processing.
* Managed Infrastructure as Code (IaC) using Terraform to automate cloud resource provisioning.
* Worked on **multi-cloud strategies**, integrating services with both **Azure and AWS-based APIs.**
* Developed and deployed BI dashboards by integrating SharePoint with SQL Server Analysis Services (SSAS) for real-time data analytics and KPI visualization
* Configured Azure Service Bus and AWS SQS for asynchronous messaging and event handling.
* Monitored system logs and performance metrics using ELK Stack (Elasticsearch, Logstash, Kibana).
* Developed applications using Angular for component-based UI rendering, implementing RxJS for reactive programming and NgRx for state management.
* Integrated **Kafka messaging** for asynchronous microservices communication, improving scalability and fault tolerance.
* Designed and developed **event-driven microservices** using **Kafka** to ensure seamless inter-service communication.
* Automated CI/CD pipelines using GitHub Actions, Jenkins, Azure DevOps, ensuring continuous integration and deployment.
* Used Entity Framework to access SQL Server, optimizing data handling and automating database interactions.
* Conducted unit testing using frameworks like xUnit, NUnit, Jasmine, and Karma, ensuring high code quality and coverage.
* Performed UAT (User Acceptance Testing) to minimize production errors and disruptions.
* Used Postman and Swagger for API testing, troubleshooting, and performance tuning.
* Worked with Git and TFS for version control, managing branches, and resolving merge conflicts.
* Provided user and production support, troubleshooting issues, managing access, and generating reports.
* Developed complex KQL (Kusto Query Language) queries to analyze telemetry data across Azure Log Analytics, Application Insights, and Sentinel for performance tuning and anomaly detection.
* Performed routine health checks as part of production support, proactively identifying and resolving system issues.
* Conducted manual code reviews to ensure adherence to performance standards and coding conventions.
* Collaborated with customers and stakeholders for requirement clarification and issue resolution.
* Took responsibility for risk management, identifying potential issues, and ensuring timely and quality project delivery.
* Proficient in using Microsoft Office applications (Word, Excel, PowerPoint, Access, Visio) for documentation and reporting.

**Environment:** Angular, .NET Core, C#, ASP.NET MVC, Web API, LINQ, Entity Framework Core, SQL Server, PostgreSQL, Azure (App Services, Functions, Service Bus, Blob Storage, Logic Apps), **Kafka,** Docker, Kubernetes.

### ****Infinite Computer Solutions, Hyderabad, India****

### ****Technical Lead | Sept 2022 – July 2023****

* Designed, developed, and tested web applications using HTML5, CSS3, Bootstrap, Angular, and .NET Core to deliver high-performance and responsive solutions.
* Developed and maintained applications using .NET, ensuring scalability and seamless integration with various business processes.
* Implemented unit tests, integration tests, and end-to-end tests for microservices using testing frameworks like XUnit and NUnit, ensuring high code coverage and service reliability.
* Integrated applications with external systems and data sources using APIs, and web services, ensuring seamless data exchange and interoperability.
* Mentored development teams on SOLID principles, microservices architecture, and best coding practices, conducting code reviews for maintainability and scalability.
* Developed and optimized data access layers using C#, ADO.NET, Entity Framework, and SQL Server, implementing database-first and code-first approaches based on project needs.
* Performed routine production support and health checks, addressing issues raised by business users and ensuring system stability.
* Implemented **Kafka messaging** to facilitate event-driven communication between microservices, ensuring seamless data processing and improved scalability.
* Designed and developed microservices using **.NET Core and Kafka,** enabling real-time event streaming and asynchronous processing.
* Integrated **Kafka consumers and producers** for handling distributed messaging and event-driven workflows.
* Used Postman and Swagger for API testing and debugging, monitoring system performance and ensuring API efficiency.
* Managed source control and collaboration using Git, GitHub, and TFS, ensuring code consistency and effective version control.
* Implemented CI/CD pipelines using Jenkins and Azure DevOps, automating build, test, and deployment processes for faster delivery.
* Performed Unit Testing, User Acceptance Testing (UAT), and System Integration Testing (SIT) to ensure smooth deployments across QA and production environments.
* Conducted manual code reviews to enhance performance, security, and adherence to best coding conventions across multiple development teams.
* Worked closely with backend engineers to optimize API calls, deprecating redundant endpoints and improving system performance.
* Participated in production support rotations, addressing tickets and resolving issues efficiently to ensure minimal downtime for business users.
* Utilized JIRA for bug tracking and task management, ensuring structured issue resolution and project transparency.

**Environment:** Angular, .NET Core, C#, ASP.NET MVC, Web API, LINQ, Entity Framework Core, SQL Server, PostgreSQL, Azure (App Services, Functions, Service Bus, Blob Storage, Logic Apps),Kafka, Docker, Kubernetes.

### ****Tata Consultancy Services, Hyderabad, India****

### ****Assistant Consultant | Feb 2016 – June 2022****

* Developed and maintained applications using .NET Core, ASP.NET, MVC, Web API, ensuring scalable and efficient software solutions.
* Designed, developed, and optimized applications using C#.NET, VB.NET, .NET, SQL, and JavaScript, implementing best coding practices for high-performance solutions.
* Implemented microservices architecture, modularizing business functionalities, enhancing performance, and improving maintainability.
* Developed RESTful APIs and Web Services, integrating applications with external systems using APIs, connectors, and web services.
* Migrated a monolithic banking application to a **microservices-based event-driven architecture**, reducing latency and improving system reliability.
* Performed database design, query optimization, and indexing for SQL Server, ensuring high availability and efficient data retrieval.
* Developed reusable components and services in Angular, enhancing front-end performance and improving user experience.
* Implemented authentication and authorization mechanisms using OAuth2 and JWT to ensure secure access to applications.
* Utilized DevOps tools like Azure DevOps and CI/CD pipelines for automated build, test, and deployment processes.
* Performed unit testing using NUnit and automated acceptance testing, ensuring application stability before deployment.
* Worked with Team Foundation Server (TFS) and Git for source code management, tracking development progress, and collaboration.
* Developed and optimized complex SQL queries, stored procedures, and triggers to handle large datasets and improve database performance.

**Environment:** Angular, ReactJS, ASPX, .NET Core, C#, VB.NET, ASP.NET MVC, Web API, LINQ, Entity Framework Core, SQL Server, PostgreSQL, Azure (App Services, Functions, Service Bus, Blob Storage, Logic Apps), Docker, Kubernetes.

### ****Visual Integra Solutions, Hyderabad, India****

### ****Software Engineer | Dec 2014 – Feb 2016****

* Implemented Agile Scrum methodology, actively participating in daily stand-ups, sprint planning, backlog prioritization, sprint reviews, and retrospectives to ensure smooth project execution and timely delivery.
* Developed robust and scalable applications using ASP.NET MVC, leveraging C#, Web API, ADO.NET, and Entity Framework to create maintainable and high-performance software solutions.
* Designed and integrated SOAP-based Web Services, utilizing WSDL to enable seamless communication and interoperability between distributed systems.
* Utilized ADO.NET for efficient data access and database interactions, optimizing performance through proper connection handling, parameterized queries, and stored procedures.
* Developed dynamic and responsive web applications using HTML, CSS, JSP, JavaScript, jQuery, and Ajax to enhance user experience and improve front-end functionality.
* Designed and optimized SQL Server databases, implementing stored procedures, indexing strategies, query optimizations, and performance tuning techniques for efficient data retrieval and storage.
* Implemented unit testing using XUnit and adhered to Test-Driven Development (TDD) principles to ensure code reliability, maintainability, and adherence to business requirements.
* Proficient in using Visual Studio as the primary development environment for writing, debugging, testing, and deploying applications, enhancing overall development efficiency.
* Experienced in implementing application logging and error tracking using Log4Net, enabling effective debugging, issue resolution, and monitoring of system health.
* Utilized JIRA for project tracking, issue management, sprint planning, and task coordination, ensuring structured project execution and improved team productivity.

**Environment:** ASPX, ASP.NET, SSIS, SSRS, C#, ASP.NET MVC, Web API, LINQ, SQL Server, IIS.

### ****AP Online Limited, Hyderabad, India****

### ****Web Application Developer | Jan 2012 – Dec 2014****

* Actively involved in all phases of the Software Development Life Cycle (SDLC) adhering to the Waterfall methodology.
* Developed web applications using .NET Framework WebForms, C#.NET, VB.NET, and SOAP-based Web Services for integration.
* Utilized ADO.NET for efficient data access and manipulation, ensuring optimized database interactions.
* Worked with XML and JSON as the primary data format, ensuring structured and efficient data exchange.
* Designed dynamic user interfaces using HTML, CSS, JavaScript, jQuery, Ajax, and WebForms to enhance user experience.
* Created data insertion forms and implemented JavaScript validation for improved data accuracy and user input handling.
* Performed comprehensive unit testing using XUnit, ensuring code reliability, stability, and early detection of bugs to enhance overall software quality.
* Used SVN for version control to manage code repositories and track changes effectively.
* Worked closely with business analysts to understand technical requirements and align development with business needs.
* Provided production support, resolved end-user queries, and addressed tickets efficiently to ensure smooth project deployment and maintenance.

**Environment:** ASPX, ASP.NET, HTML, CSS, Bootstrap, C#, VB.NET, ASP.NET MVC, Web API, LINQ, SQL Server, IIS.

### ****Education & Certifications****

* **Bachelor of Technology in Electronics and Computer Engineering** – JNTU Hyderabad, India (2008)
* **Microsoft Certified: Azure Developer Associate**
* **Microsoft Certified: Azure Fundamentals**