Snehil

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Summary

Proficient Full Stack .NET Developer with 5+ years of experience in designing and developing scalable, cloud native enterprise applications using C#, .NET Core/ASP.NET, SQL Server, and modern JavaScript frameworks. Experienced in building microservices based architectures, developing secure RESTful APIs, and implementing CI/CD pipelines across Azure and AWS environments to ensure high performance and reliability. Adept at writing clean, maintainable, and scalable code following best practices and industry standards. Strong collaborator within Agile/Scrum teams, fostering effective communication and teamwork to deliver high quality solutions on time.

Skills

- **Methodology:** SDLC, Agile, Scrum, Waterfall, SOLID Principles, Design Patterns, Test Driven Development (TDD), Unit Testing, Integration Testing, CI/CD.
- **Databases:** SQL Server, Azure SQL, MongoDB, SQLite.
- **Languages:** C#, JavaScript, TypeScript, SQL.
- **Architecture:** Monolithic, Microservices, MVC Architecture, RESTful Architecture, Event-Driven Architecture.
- **Cloud Native Technologies:** Microsoft Azure (App Services, Azure Functions, Azure Storage, Azure API Management, Azure Kubernetes Service), AWS (EC2, S3, RDS), Docker.
- **.NET / Backend Technologies:** .NET Core, ASP.NET Core, ASP.NET MVC, Web API, Entity Framework Core, LINQ, ASP.NET Core Identity.

- **Frameworks & Libraries:** Blazor, React, Angular, Vue.js, Bootstrap.
- **Container Orchestration Tools:** Docker, Kubernetes (AKS).
- **Web Technologies:** HTML5, CSS3, JavaScript, JSON, XML.
- **DevOps & Process Tools:** Azure DevOps, Jenkins, GitHub Actions.
- **API Design:** REST standards, versioning, pagination, filtering, performance optimization.
- **Version Control Tools:** Git, GitHub.
- **Security & Testing Tools:** JWT, OAuth 2.0, Authentication & Authorization, xUnit, NUnit, Postman.

Experience

Full Stack .NET Developer / API Developer   **06/2023 to Current**
Unisys   **USA**

- Designed and implemented cloud-native microservices architecture using C#, .NET Core, ASP.NET Core Web API, Entity Framework Core, and Docker, deploying services on Azure Kubernetes Service (AKS) to ensure scalability, fault tolerance, and high availability.
- Developed and maintained secure RESTful APIs using HTTP methods (GET, POST, PUT, DELETE) with JWT, OAuth 2.0, and role-based access control (RBAC).
- Implemented API versioning, request validation, pagination, filtering, and centralized exception handling and logging to build scalable, maintainable, and reliable services.
- Built responsive and reusable frontend components using React and Angular, integrating REST APIs and improving page load times, Lighthouse performance scores, and overall user experience.
- Automated CI/CD pipelines using Azure DevOps, configuring build and release pipelines with automated testing and environment-based deployments, reducing manual deployment effort by 40%.
- Integrated Swagger/OpenAPI and Azure API Management for API documentation, security policies, traffic throttling, monitoring, and lifecycle management.
- Collaborated with product owners, QA, and DevOps teams in Agile/Scrum environments, participating in sprint planning, code reviews, and retrospectives to improve code quality and delivery velocity.

.NET Developer   **06/2019 to 11/2021**
Cognerium   **Hyderabad, India**

- Developed and maintained Single Page Applications (SPAs) using Blazor and Vue.js, creating reusable components and improving frontend performance and usability.
- Migrated and modernized legacy applications to .NET Core, reducing technical debt and improving maintainability, scalability, and code quality.
- Designed and implemented data access layers using Entity Framework Core and LINQ, following repository and service patterns.
- Worked with SQL Server, including stored procedures, indexes, and transactional queries, optimizing database performance and data consistency.
- Implemented unit and integration testing using xUnit and NUnit, reducing regression issues and improving application stability.
- Built and maintained CI/CD pipelines using Jenkins and GitHub Actions, increasing release cadence by 30% and improving deployment reliability.
- Deployed and managed backend services on AWS (EC2, RDS, S3), applying configuration tuning, caching strategies, and connection pooling to improve performance and reliability.

Projects

- **E - Commerce Platform:** Developed a full stack MVC web app with role-based access control, integrated Stripe payments, and ASP.NET Core Identity for authentication. Built CI/CD pipelines to Azure using GitHub Actions, improving deployment speed and reliability.

- **Mortgage Loan Calculator:** Designed and implemented an ASP.NET MVC app that calculates monthly payments and amortization schedules. Added secure login, SQL Server persistence, and automated unit tests to ensure accuracy and maintainability

Education

Master of Science: Computer and Information Sciences   **2023**
New England College   USA