Parag Sehra

Lead Full stack developer, 12+ years
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Results-driven Senior Staff Engineer with 12+ years in software development. Experienced in web app architecture, design, and maintenance. Skilled in OOP, third-party integration, and design patterns. Strong communicator, leader, flexible, and team player. Seeking Full-Stack Developer/Architect role for secure, scalable applications with AWS, .NET Web API, C#, Angular, React, and Azure DevOPS CI/CD.

Work Experience

Sr Staff Engineer, Nagarro Inc – July 2019 – Present

Tech Stack – C#, .net Core, REST API, MS SQL, MongoDB, Azure DevOps CI/CD, Angular, React, TypeScript, GIT, AWS, JavaScript, jQuery, Knockout, HTML, CSS, Cypress, GitHub

- Spearheaded a re-architecture initiative, resulting in a 10x improvement in application performance.
- Introduced best practices, leading to a 15% reduction in bug count and a 20% increase in overall code quality.
- Mentored team members, contributing to a 30% improvement in their technical skills and efficiency.
- Collaborated with software developers, business analysts, and software architects to plan, design, develop, test, and maintain web- and desktop-based business applications built on Microsoft technologies.
- Successfully integrated RESTful APIs using .NET Web API, reducing API response time by 25%.
- Worked with Angular and React frameworks to build responsive and user-friendly interfaces.
- Employed C# for server-side development, ensuring efficient and reliable application functionality.

Projects

Energy and sustainability application

The Energy and Sustainability Application was developed to streamline the process of collecting and analyzing utility bill data for multiple clients. The primary goal of the project was to help clients achieve their go green goals, optimize energy consumption, and save on utilities

- Led the development team in designing and implementing the application's architecture, ensuring scalability and security.
- Collaborated with stakeholders to gather requirements and translated them into user stories, estimates, and work plans.
- Developed robust data collection mechanisms to efficiently gather utility bill data from various sources and formats.
- Implemented data analysis algorithms and metrics to provide detailed insights into energy usage patterns and opportunities for improvement.
- Achieved a 25% increase in client satisfaction through the development of user-friendly dashboards.
- Ensure data accuracy, reliability, and data privacy compliance throughout the application.
- Collaborated with cross-functional teams, including business analysts and software architects, to ensure the application met the clients' requirements and industry standards.

Associate Lead, Nagarro India – October 2013 – July 2019, Gurgaon, India

Tech Stack – ASP.Net C#, .NET Core, MVC, REST API, MS SQL, SSRS, SSIS, Azure DevOps CI/CD, Angular, GIT, JavaScript, jQuery, Knockout, Bootstrap, HTML, CSS, TFS, JIRA, Unit testing, GitHub.

- Guided team development efforts throughout the Software Development Lifecycle (SDLC).
- Followed agile development processes and organized daily scrum meetings with customers to provide status updates.

- Developed modules using ASP.NET MVC, resulting in a 25% improvement in application responsiveness.
- Utilized AWS services for scalable cloud deployments.
- Integrated and consumed RESTful APIs using .NET Web API.
- Created unit test cases using MOQ and check 80% code coverage for each tier
- Utilized TypeScript, JavaScript, HTML, and CSS to create responsive user interfaces.

Projects

Education Learning and Life Learning Tool

Configurable simulation app, the Education and Life Learning Tool equips students with practical life skills. In an interactive platform, students manage a persona, making decisions on taxes, housing, transportation, utilities, and more. This simulated environment imparts valuable insights, preparing students for real-world challenges and diverse living styles.

- Led the development team in designing and implementing the simulation application's architecture and interactive features
- Collaborated with educators and stakeholders to define personas and create realistic scenarios that reflect different life situations and challenges.
- Developed a user-friendly interface that allows students to navigate through various aspects of life, make decisions, and observe the outcomes.
- Integrated interactive modules that provide information on topics such as taxes, housing options, transportation choices, utility management, budgeting, and financial planning.
- Implemented a scoring system to evaluate students' decision-making skills and financial literacy, providing feedback and suggestions for improvement.
- Designed comprehensive reports, aiding a 15% improvement in tracking student progress

Sr Software developer, Chetu India – May 2012 – October 2013, Noida, India

Tech Stack – Asp.net, C#, WCF, MS SQL, SSRS, SSIS, Web Forms, Git, Crystal Reports, Ajax Toolkit, Entity Framework, jQuery, TFS.

- Designed, developed, and maintained computer programs and integrations.
- Guided the team in troubleshooting and exhibited strong decision-making skills.
- Utilized ASP.NET, C#, and .NET framework for application development.
- Implemented and optimized SQL Server databases for efficient data storage and retrieval.

Projects

Healthcare Insurance Customer Support Portal

A web-based platform for improving customer support in the healthcare insurance sector. It centralizes caller information, enabling efficient and personalized assistance from support representatives. The portal's main goal is to streamline customer support by providing step-by-step guidance for prompt issue resolution.

- Developed a user-friendly interface that displays caller information in real-time, providing customer support representatives with immediate access to caller details, including policy information, claim history, and contact history.
- Implemented a ticketing system that tracks customer queries and requests, enabling support representatives to manage and prioritize incoming inquiries effectively.
- Incorporated search functionality to quickly retrieve relevant information from the knowledge base, ensuring accurate and timely responses to customer inquiries.
- Integrated with backend systems and databases to fetch and update customer information in real-time, ensuring data accuracy and consistency across the portal.

Integration of Medical Device with Windows Service

This is a small window service that is constantly monitoring multiple devices that are used to get patient vitals and submit that information to an already developed application and attach that data with the patient profile.

- It was a single person team and was a small project for a month and I was solely responsible to develop, test and deploy the service to production.

Software developer, Accord Soft Solutions – September 2010 - May 2012, Delhi, India

Tech Stack – Asp.net, C#, MS SQL, SSRS, SSIS, Web Forms, Crystal Reports, Ajax Toolkit, Entity Framework, jQuery, TFS.

- Designed, developed, and maintained computer programs and integrations.
- Utilized ASP.NET, C#, and .NET framework for application development.
- Designed and optimized SQL Server databases for efficient data management.
- Implemented SSRS reports for generating insightful reports.

Projects

Supply chain management and prediction project.

The project aimed to optimize operations by utilizing advanced technologies and data analytics. It focused on improving the flow of goods and information, leading to precise demand forecasting, effective inventory management, and streamlined logistics planning within the supply chain network.

- Developed software modules and components using technologies such as ASP.NET, C#, and MS SQL Server to support supply chain management functionalities.
- Implemented data integration mechanisms to connect various data sources within the supply chain, enabling real-time visibility and data-driven decision-making.
- Created intuitive user interfaces and dashboards to present supply chain insights, key performance indicators (KPIs), and analytics reports for stakeholders and management.
- Implemented data analytics and visualization techniques to identify bottlenecks, optimize inventory levels, and improve overall supply chain efficiency.

Education & Certification

- Bachelor of Engineering in Computer Science - 2010
- 486 Developing ASP.NET MVC Web Applications Certification
- 461 Querying Microsoft SQL Server 2012 Certification

Technical Skills

- (12+ years): C#, Asp.net, MSSQL
- (7+ years): Rest API, ASP.NET MVC, ASP.NET Web API, JavaScript, HTML, CSS, GIT, TFS, Agile
- (4+ years): Angular, TypeScript, ES6, Azure DevOps, .net core
- (2+ years): AWS, React, GraphQL, Micro services, cypress

Additional Information and Achievements:

- Adept problem-solving and analytical skills
- Excellent written and verbal communication, leadership, and interpersonal skills
- Proven track record of delivering high-quality software solutions within deadlines
- Recipient of multiple monthly and quarterly excellence awards in the current organization
- Acknowledged with client appreciation in multiple emails featured on the organization's Yammer board.