Yash Arravapula
.Net Developer
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Summary

- **.**NET Developer with 4+ years of experience in building scalable web applications using C#, ASP.NET Core, and microservices architecture to ensure high availability and performance.
- Expert in designing and optimizing RESTful APIs, implementing GraphQL, and enhancing database efficiency with Entity Framework, SQL Server, and NoSQL solutions like MongoDB.
- Strong team player with excellent communication and collaboration skills, adept at working in Agile environments and collaborating with cross-functional teams.
- Proficient in cloud-native development, deploying applications on AWS and Azure using Docker, Kubernetes, and serverless technologies like AWS Lambda and Azure Functions.
- Skilled in full-stack development with React, Angular, and Blazor, creating dynamic user interfaces that seamlessly integrate with .NET backend services.
- Committed to continuous learning and staying updated with the latest technologies and best practices in software development.
- Adept at DevOps practices, implementing CI/CD pipelines with GitHub Actions, Azure DevOps, Terraform, and security best practices like OAuth2, JWT, and IdentityServer.
- Experienced mentoring junior developers and fostering a collaborative team environment focused on excellence and continuous improvement.
- Results-oriented professional with a proven track record of delivering projects on time and within budget, exceeding client expectations.

Skills

- **Backend Development**: .NET Framework, C#, ASP.NET MVC, Entity Framework, Spring MVC, Hibernate, NodeJS
- **Programming Languages**: .NET (C#), Python, Scala, SQL, T-SQL, PL/SQL
- **Web Technologies / XML Technologies**: ASP.NET 4.0/3.5, MVC 4.0/3.0, Ajax 3.0/2.0, Web API, JavaScript, jQuery, Knockout JS, Bootstrap. AngularJS, TypeScript, Entity Framework 6, XML, XDOCUMENT, XSLT, XPATH, XSL
- **Databases**: MySQL, Microsoft SQL Server, Oracle, NoSQL, SSMS, SQL Profiler, Query Analyzer
- **Frontend Development:** HTML5, CSS3, JavaScript (jQuery, AJAX), TypeScript, React, Angular, WPF
- **API/Web Development:** RESTful APIs, ASP.NET Core Web API, .NET MVC/Web API
- **Cloud Platforms**: Amazon Web Services (AWS), Microsoft Azure (Blob Storage, Virtual Machines, AI, Azure DevOps, App Services)
- **Frameworks & Libraries**: .NET (ASP.NET MVC, Entity Framework), .Net Core
- **Development Tools/ DevOps Tools/ Version Control**: JIRA, CI/CD (Jenkins, Azure DevOps), Visual Studio, PyCharm, Sublime Text, Eclipse, IntelliJ IDEA, Xcode, Docker, Kubernetes, Jenkins, Ansible, Terraform, Git (GitHub, GitLab)
- **Business Tools:** SSRS, SSIS, QlikView, Crystal Reports
- **Operating Systems**: Windows, macOS, Linux

Experience

ADP Technology Services, Inc. USA | .Net Developer **JAN 2023 - Current**

- Contributed to the modernization of legacy payroll and HR systems by migrating them to .NET Core, leading to improved performance, uptime, and scalability across ADP's internal platforms.
- Developed robust data migration utilities using Entity Framework, ensuring seamless and accurate transition of sensitive employee and payroll data.
- Engineered responsive and accessible front-end interfaces using React.js, TypeScript, HTML5, CSS3, Bootstrap, and jQuery, enhancing user experience for ADP's self-service portals and internal business tools.
- Designed and implemented RESTful and SOAP APIs to facilitate secure integration between ADP's core systems (e.g., HR, payroll, tax filing) and external vendors or government platforms, ensuring compliance and data integrity.
- Built scalable microservices with ASP.NET Core Web API and C#, containerized via Docker and orchestrated with Kubernetes on Microsoft Azure, enabling real-time payroll processing and HR data synchronization.
- Optimized database performance across SQL Server, Cassandra, and MongoDB through query tuning, indexing, and partitioning, significantly reducing latency in data-heavy applications like time tracking and payroll reporting.
- Improved backend service efficiency using asynchronous programming, multi-threading, and caching mechanisms (Redis, MemoryCache) to handle high-volume requests in ADP's enterprise platforms.
- Ensured application security and compliance with SOC 2, HIPAA, and IRS regulations by implementing secure authentication

using OAuth 2.0, JWT, and IdentityServer.

- Collaborated with cross-functional teams including global developers, QA, and product analysts to deliver full-stack solutions supporting ADP's digital payroll transformation and client onboarding initiatives.
- Deployed and managed applications on Azure, utilizing App Services, Azure Functions, Blob Storage, and Virtual Machines to ensure fault-tolerant and highly available services for ADP clients.
- Promoted software quality through TDD/BDD practices using NUnit, xUnit, Jest, and React Testing Library, streamlining collaboration with QA and reducing production defects.
- Automated CI/CD workflows using Jenkins and Git, containerized .NET and React workloads with Docker, and maintained infrastructure via infrastructure-as-code principles to support efficient and reliable deployments.

GlobalTech, India | .Net Developer   Feb 2019 - Aug 2021

- Designed and deployed backend services using C#, ASP.NET, and .NET Core within a microservices architecture, enabling seamless integration with enterprise systems while enhancing scalability and adaptability.
- Developed enterprise-grade web applications using C#, .NET Core, and ASP.NET MVC/Web API, integrated with Angular to deliver modern, dynamic UIs and ensure seamless front-to-backend functionality.
- Built and exposed RESTful APIs to enable efficient communication between services, automating critical workflows and improving data accessibility across modules.
- Crafted and tuned complex SQL queries, stored procedures, and indexing strategies in SQL Server and MySQL, significantly boosting database responsiveness for high-volume operations.
- Optimized MySQL-based operations for surplus property management, cutting down data retrieval times and improving reporting speed.
- Collaborated with front-end developers to build responsive, cross-platform user interfaces using Angular, HTML5, CSS3, and JavaScript, improving usability and accessibility for business users.
- Developed automation frameworks with Selenium (C#) for end-to-end UI testing and NUnit/xUnit for backend unit tests, enhancing test coverage and reducing bugs in CI/CD workflows.
- Deployed and maintained applications in AWS, leveraging services like EC2, S3, RDS, Lambda, and CloudFormation to deliver secure, scalable, and highly available solutions.
- Managed code repositories with Git, streamlining collaboration through effective branching strategies and continuous integration.
- Adopted Agile methodologies for sprint planning, story grooming, and iterative development, ensuring timely and quality-focused product deliveries.

Certifications

Microsoft Certified: Web Applications

AWS Certified Developer – Associate

Google Associate Cloud Engineer

Education

Master's in Computer Science
Lewis University, Romoeville, IL