**Kavya Reddy Manchireddy**

**Senior .Net Full Stack Developer**

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**Professional Summary:**

* Over 8+ years of experience in the IT industry, specializing in design, development, testing, deployment, and maintenance of enterprise applications using .NET technologies, with expertise in Insurance, Banking, and Healthcare domains.
* Expertise in SDLC methodologies, including Agile (Scrum) and Waterfall, actively participating in daily stand-ups, sprint planning, and retrospectives to ensure smooth project execution.
* Strong experience in .NET technologies, including C# (up to version 10.0), ASP.NET Core, ASP.NET MVC, .NET Core, Multithreading, and Collections, ensuring efficient and optimized application performance.
* Hands-on experience in implementing design patterns such as Singleton, Factory, and Observer, and creating use case diagrams, class diagrams, and sequence diagrams using tools like Microsoft Visio and Draw.io for robust software design.
* Skilled in designing applications using Onion Architecture, MVC Architecture, N-Tier Architecture, and Microservices, ensuring maintainability and modular development.
* Extensive experience in .NET frameworks, including ASP.NET Core Web App, ASP.NET Core Web API, ASP.NET MVC, and Microservices, for building scalable and secure enterprise applications.
* Proficient in developing RESTful and SOAP Web Services, integrating third-party APIs, and ensuring seamless communication between system components.
* Expertise in ORM frameworks like ADO.NET, Entity Framework, and Entity Framework Core, streamlining database interactions for efficient data handling.
* Familiarity with data formats such as JSON and XML, ensuring structured data exchange between systems.
* Hands-on experience with cloud platforms, leveraging services such as Azure (Azure Functions, App Services, Cosmos DB, API Gateway) and AWS (Lambda, EC2, S3, RDS, API Gateway) for scalable cloud solutions.
* Proficient in implementing OAuth2, JWT, and SSL for authentication and authorization in web applications, ensuring secure communication.
* Strong knowledge of frontend technologies, including Angular (10+), TypeScript, JavaScript, AngularJS, kenstrap, jQuery, AJAX, HTML5, and CSS3, for developing responsive and interactive UI.
* Experience in working with both SQL and NoSQL databases, including SQL Server, PostgreSQL, and MongoDB, ensuring optimized data storage and retrieval.
* Skilled in writing PL/SQL stored procedures, functions, and triggers to handle complex data operations in relational databases.
* Experience in integrating message queuing systems like MSMQ and RabbitMQ for asynchronous processing and communication between distributed systems.
* Proficient in API testing using tools such as Postman, SOAP UI, and Swagger UI, ensuring proper validation and security of web services.
* Experience in implementing CI/CD pipelines using Azure DevOps, automating build, testing, and deployment processes from a developer’s perspective.
* Skilled in cloud technologies like AWS and Azure, deploying and managing applications using services such as Azure App Services, Azure Service Bus, Azure SQL Database, AWS Lambda, and Amazon RDS.
* Hands-on experience with version control tools such as Git, SVN, and TFS, ensuring smooth collaboration and code management.
* Experienced in build tools like Visual Studio, Visual Studio Code, and SQL Server Management Studio, ensuring a seamless development experience.
* Strong experience in using project management tools like JIRA, Rally, and TFS, facilitating effective tracking and management of project tasks.

**Technical Skills:**

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| **Languages** | C#, Java, VB.NET, T-SQL, SQL, JavaScript, HTML, CSS, XML, XSLT |
| **.NET Technologies** | ASP.NET Core, ASP.NET Core Web API, ASP.NET MVC, .NET Framework, .NET Core, Razor Pages, Microservices, Entity Framework Core, Autofac, Steeltoe |
| |  | | --- | | **Web Technologies** |  |  | | --- | |  | | Angular11,12,13,14,16,17 AngularJS, TypeScript, HTML5, CSS3, Bootstrap, AJAX, jQuery, JavaScript, XML, XSLT |
| **Databases** | SQL Server, Azure SQL Database, PostgreSQL, MongoDB, Dapper, PL/SQL, NO SQL |
| **ORM Frameworks** | ADO.NET, Entity Framework, Entity Framework Core |
| **Web Services** | Web API, WCF, RESTful APIs, SOAP Web services, OAuth2, JWT, SSL |
| **Web Servers** | Nginx, IIS |
| **Scripting** | jQuery, VB Script, and JavaScript, |
| **Tools** | Team Foundation Server (TFS, GIT, Visual Source Safe, SQL Server Reporting Services (SSRS), PL/SQL Developer, Rational Application Developer 6.0, Active Reports, Crystal Reports and MS-Office. |
| **Testing Frameworks** | NUnit, MSTest, XUnit, Karma, Jasmine, JUnit |
| **Version Control Tools** | Git, SVN, TFS, GitHub, GitLab |
| **Methodologies** | Agile, Waterfall, CI/CD |
| **Cloud Technologies** | Microsoft Azure, AWS Lambda, Azure App Services, Azure SQL Database, Azure Service Bus, Azure Functions, Azure AKS, Azure Key Vault, Amazon RDS |

**Professional Experience:**

**Client: QBE,** **New York, NY Feb 2024 to till date**

**Role: Sr. .NET Developer**

**Responsibilities:**

* Worked effectively within **Agile** methodologies, contributing to rapid development cycles, fostering adaptability, and ensuring consistent software delivery throughout the entire **SDLC** process.
* Implemented the **MVC architecture** design pattern, improving maintainability and maintaining a clear separation of concerns in a **.NET**-based application.
* Created secure and scalable **.NET** web services with **WCF** for **SOA** integration, supporting both **SOAP** and **RESTful APIs** to enable robust communication across systems.
* Developed responsive and user-friendly interfaces using **Angular 16**, **TypeScript**, **HTML5**, **CSS3**, and **JavaScript**, ensuring dynamic user experiences.
* Developed responsive, component-based front-end applications using Angular 16, TypeScript, HTML5, and CSS3, enabling dynamic and accessible user experiences across web platforms.
* Implemented advanced Angular 10+ features such as standalone components, functional guards, and improved injectors to reduce module complexity and improve application scalability.
* Integrated Angular services and interceptors for efficient state management and secure API communication, using RxJS, HttpClient, and route guards to enhance front-end performance and security.
* Integrated **jQuery** and **AJAX** to facilitate smooth interaction with server-side APIs, enabling real-time updates and ensuring an engaging front-end experience.
* Optimized application performance by developing high-performance solutions using **C#**, **multithreading**, and advanced **collections** techniques in **Visual Studio**, ensuring efficient use of resources.
* Developed **RESTful APIs** with **ASP.NET Core 3.1** for seamless and efficient data interaction between front-end **POS** systems and backend services.
* Created and optimized complex **SQL** queries in **RDBMS** environments, improving data manipulation efficiency and supporting comprehensive reporting and business intelligence initiatives.
* Used **Entity Framework** and **ADO.NET** to implement data access layers, streamlining interactions between **.NET** applications and **Oracle databases**, optimizing performance and maintainability.
* Successfully migrated legacy applications to **Entity Framework Core**, enhancing overall application performance, enabling cross-platform compatibility, and simplifying data management with **LINQ to SQL.**
* Resolved critical issues in **ASP.NET Web API** applications, strengthening error handling mechanisms, ensuring consistent and reliable services for end-users.
* Integrated **MongoDB** for efficient, scalable **NoSQL** data storage, improving performance and providing flexibility in managing diverse data types and large volumes.
* Streamlined application deployments by containerizing **.NET** applications with **Docker**, ensuring uniform environments and efficient deployments across different stages of the SDLC.
* Managed security settings in **MS SQL Server**, including user roles, permissions, and encryption, ensuring data security and compliance with regulatory standards.
* Designed database structures, including schemas, tables, views, stored procedures, and functions within **SQL Server** using **SSMS**, enhancing data organization and retrieval performance.
* Developed and optimized **PL/SQL** stored procedures, functions, and triggers in **Oracle databases**, improving the efficiency of data processing tasks.
* Engineered reliable messaging solutions using **MSMQ** and **RabbitMQ** to support asynchronous communication and improve system scalability.
* Integrated **OAuth 2.0** with **JWT** tokens for secure user authentication and authorization, enhancing application security.
* Utilized **ORM** frameworks like **Entity Framework** to improve database interaction and streamline the data management process, reducing development complexity.
* Enhanced user experience and application responsiveness by integrating **Kendo UI** controls into **ASP.NET MVC** applications.
* Improved the performance of **Cosmos DB** by adjusting throughput and optimizing partitioning strategies to support the app's scalability and growth needs.
* Applied the **MVVM architecture** in **WPF** applications to separate the user interface from business logic, improving maintainability and testability of the codebase.
* Developed and deployed scalable applications using **PaaS solutions** like **Azure App Services**, improving development speed and enabling flexible, scalable cloud-based solutions.
* Implemented security measures and monitoring practices within **Azure**, utilizing **IAM** and **Security Command Center** to ensure application integrity and performance.
* Enhanced automated testing and reporting with frameworks like **Karma**, **Jasmine**, **X-Unit**, **Postman**, **SOAP UI**, and **Swagger UI** to ensure comprehensive test coverage and reporting accuracy.
* Deployed and maintained **.NET microservices** on **Kubernetes**, optimizing service performance and ensuring system resilience under varying workloads.
* Leveraged **Kibana** for real-time application monitoring and visualization, using **Rancher** to efficiently manage container orchestration and optimize **.NET** deployment workflows.
* Utilized **Azure VMs**, **App Service**, **AKS**, and **Azure Active Directory** to build secure, scalable, and efficient cloud-based solutions.
* Integrated **CI/CD** pipelines with **TDD** using tools like **Azure DevOps**, **Jenkins**, and **GitLab CI**, automating test execution for continuous feedback and high-quality code delivery.

**Environment:** Agile, SDLC, MVC, Angular, TypeScript, HTML5, CSS3, JavaScript, jQuery, AJAX, C#, Visual Studio, ASP.NET Core 3.1, WPF, RESTful APIs, AngularJS, Entity Framework Core, ETL, SSIS, SSRS, NoSQL, MongoDB, SQL Server, MS Azure, Docker, MSMQ, WinForms, GCP, GDPR, XSLT, RabbitMQ, Cosmos DB, PowerShell, Power Apps, NuGet, Python, API, PowerBI, TFS, OAuth 2.0, JIRA, JWT, Karma, Jasmine, JDMT, X-Unit, Postman, SOAP UI, Swagger UI, Azure Services, Git, GitHub, Azure DevOps.

**Client: Cardinal Health,** **Dublin, OH Dec 2022 to Jan 2024**

**Role: Sr. Net Fullstack Developer**

**Roles & Responsibilities:**

* Led the design and development of scalable, high-performance .NET Full Stack applications using C#, .NET 9, ASP.NET Core, Blazor, and React.js for robust web and desktop solutions.
* Developed microservices using gRPC, RESTful APIs, RabbitMQ, and MassTransit, ensuring efficient, fault-tolerant communication across distributed systems.
* Implemented security protocols using OAuth2, OpenID Connect, IdentityServer, ASP.NET Core Identity, and enforced encryption, throttling, JWT, and RBAC for secure access control.
* Championed Agile methodologies with daily stand-ups, sprint planning, retrospectives, and Jira for efficient SDLC execution and continuous improvement.
* Built responsive, cross-platform UIs using React.js (Hooks, Context API, Redux), Blazor, HTML5, CSS3, Bootstrap, Material UI, JavaScript, and jQuery.
* Optimized React app performance through memoization, code splitting, and reusable functional/class components. Integrated Kendo UI and Telerik UI for dynamic, enterprise-grade user interfaces.
* Created real-time web applications with SignalR and WebSockets to support live chat, notifications, and dashboard updates.
* Managed background job execution using Hangfire for asynchronous task processing.
* Designed and implemented backend systems with Entity Framework and SQL Server, writing advanced T-SQL, views, LINQ queries, and stored procedures.
* Developed and integrated serverless APIs and background services using Azure Functions, Azure Blob Storage, and Cosmos DB for scalable cloud solutions.
* Automated builds, testing, and deployments using Azure DevOps, Docker, Kubernetes, and CI/CD pipelines.
* Deployed and managed containerized microservices with Docker and Kubernetes, supporting fault tolerance and self-healing at scale.
* Applied CQRS with MediatR to separate read/write logic and improve application scalability and maintainability.
* Ensured HIPAA, HL7, and FHIR compliance for healthcare systems, maintaining data privacy and audit readiness.
* Led data migration from legacy monolithic systems to modern microservices-based platforms using Oracle DB, ensuring zero-downtime transitions.
* Designed API lifecycle documentation using Swagger/OpenAPI to streamline third-party integrations.
* Conducted system diagnostics and performance tuning using PowerShell, Azure Monitoring, and Kibana.
* Used Git, GitHub, Bitbucket, and Jira for version control, code reviews, and task tracking.
* Built map-based geospatial solutions using ArcGIS SDK for JavaScript for location-based data visualization.
* Executed unit/integration testing and mocking using XUnit, Moq, NUnit, Selenium, and Cucumber to ensure high code quality and test coverage.

**Environment:** C#, .NET 9, ASP.NET Core, Blazor, React.js, JavaScript, TypeScript, HTML5, CSS3, Razor, LINQ to SQL, T-SQL, PowerShell, React.js (Hooks, Context API, Redux), jQuery, Bootstrap, Telerik UI, Kendo UI, ArcGIS SDK for JavaScript, ASP.NET Core Web API, gRPC, RESTful APIs, Azure Functions, RabbitMQ, SignalR, WebSockets, MassTransit, MediatR, CQRS, SQL Server, Oracle DB, Cosmos DB, Entity Framework, LINQ, Azure Blob Storage, Azure DevOps, Docker, Kubernetes, Git, GitHub, Bitbucket, CI/CD pipelines, XUnit, NUnit, Moq, Selenium, Cucumber, Azure Monitoring, Kibana, Power BI, SSRS, OAuth2, OpenID Connect, IdentityServer, ASP.NET Core Identity, JWT, RBAC, Encryption, Throttling, Jira, Agile Methodologies, SDLC, Azure Service Bus, Swagger/OpenAPI

**Client: State of Oregon, Salem, OR Dec 2020 to Nov 2022**

**Role: .NET Full Stack Developer**

**Roles & Responsibilities:**

* Leveraged Agile methodologies to manage the software development lifecycle, ensuring flexibility in adapting to evolving client requirements.
* Designed MVC applications for improved scalability and maintainability.
* Created dynamic and interactive user interfaces using React.js, HTML5, CSS3, Bootstrap, Material UI, AJAX, and JavaScript, ensuring a seamless user experience with responsive designs.
* Developed scalable and interactive ASP.NET MVC web applications to enhance user interfaces.
* Constructed RESTful APIs with ASP.NET Core for backend logic, including authentication and data management.
* Designed and integrated custom user controls and components within ASP.NET Web Forms, promoting modularity and reusability across applications.
* Integrated WPF applications with backend services via RESTful APIs, WCF, and other communication protocols to ensure smooth data flow.
* Utilized Entity Framework Core for efficient database operations and CRUD functionality with Amazon RDS (SQL Server).
* Designed complex database solutions using T-SQL in Microsoft SQL Server, ensuring high performance in data retrieval and manipulation.
* Utilized SOAP and REST technologies, leveraging ASP.NET Web API and C# to build efficient REST services, facilitating smooth handling of HTTP requests.
* Implemented gRPC streaming for real-time data processing, reducing communication overhead.
* Carried out unit testing with tools like XUnit, Selenium, and Cucumber to ensure robust code quality and application reliability.
* Developed advanced stored procedures, functions, and triggers to enhance business logic and data handling in MS SQL Server.
* Adopted Docker to decompose monolithic .NET applications into microservices, enhancing scalability, maintainability, and deployment flexibility.
* Utilized AWS services like AWS Elastic Beanstalk, AWS Lambda, AWS Step Functions, Amazon RDS, Amazon SQS, and Amazon CloudWatch to optimize cloud-based solutions and improve system performance.
* Implemented LINQ to XML for processing XML data tasks, utilizing Amazon S3 for efficient document management.
* Managed CI/CD pipelines and version control with AWS Code Pipeline, Git, and GitHub branching, ensuring streamlined development workflows and efficient project management.
* Ensured data quality through ETL process quality checks, resolving discrepancies and improving data reliability.
* Enhanced .NET Web API security using JWT and OAuth 2.0.
* Refactored and improved legacy VB.NET applications, adding features and optimizing performance.
* Developed and maintained PL/SQL scripts for data migration and ETL processes.
* Implemented Kafka for high-throughput, low-latency messaging between microservices and applications.
* Designed API documentation and specifications using tools like Swagger/OpenAPI, ensuring smooth onboarding for developers.
* Managed code repositories and conducted pull requests in GitHub, facilitating efficient code review and version control.
* Monitored and optimized pipeline performance with Bitbucket reporting tools and analytics.
* Developed real-time web applications with Blazor and SignalR integration, supporting bidirectional communication.
* Integrated Amazon S3 in .NET applications for scalable, efficient file storage, improving data accessibility.
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* Optimized resource utilization in .NET applications on Amazon EKS, ensuring cost-effective and efficient performance.
* Integrated payment gateways, email services, and authentication systems into Node.js applications for secure and seamless third-party API connections.
* Improved database performance by optimizing RDBMS queries and indexes for faster response times.
* Executed the end-to-end migration of applications and data to AWS cloud platforms, ensuring enhanced scalability, security, and cost-efficiency aligned with business needs.

**Environment**: Agile, MVC, ASP.NET MVC, React.js, HTML5, CSS3, Bootstrap, AJAX, JavaScript, ASP.NET Core, ASP.NET Web Forms, WPF, RESTful APIs, WCF, Entity Framework Core, Amazon RDS, SQL Server, T-SQL, Oracle, IBM DB2, JSON, gRPC, ASP.NET Web API, C#, XUnit, Selenium, Cucumber, Stored Procedures, Functions, Triggers, Python, Flask, Django, Docker, Microservices, AWS Elastic Beanstalk, AWS Lambda, AWS Step Functions, Amazon SQS, Amazon CloudWatch, Amazon S3, AWS CodePipeline, Git, GitHub, JWT, OAuth 2.0, VB.NET, PL/SQL, Kafka, Swagger/OpenAPI, Bitbucket, Blazor, SignalR, Amazon EKS, Node.js, Payment Gateways, Email Services, Authentication Systems, RDBMS, AWS Cloud

**Client: i2k2 Networks Private Limited, Noida, India Apr 2018 to Sep 2019**

**Role: .NET Software Engineer/ J2EE Developer**

**Roles& Responsibilities:**

* Applied Agile methodologies using tools like JIRA for backlog refinement, sprint planning, retrospectives, and rapid adaptation to evolving client requirements.
* Designed and developed web applications using ASP.NET MVC and Razor Pages, applying MVC architecture principles for clean, modular, and maintainable code.
* Built scalable backend services using ASP.NET Core Web API Gateways, implementing RESTful APIs for features like user authentication, data retrieval, and course management.
* Developed and integrated WPF applications with backend services using WCF and RESTful APIs, enabling smooth and efficient client-server communication.
* Designed responsive and user-friendly front-end interfaces using Angular 10+ , HTML5, CSS3, Bootstrap, JavaScript, and TypeScript.
* Utilized Kendo UI components for enterprise-grade data visualization, dynamic UI rendering, and enhanced user interactions.
* Performed efficient CRUD operations using Entity Framework, integrating with both Oracle and SQL Server databases via optimized SQL queries and stored procedures.
* Employed JSON and XML for structured and flexible data exchange between front-end and back-end systems.
* Developed and debugged applications in Visual Studio, using built-in tools such as breakpoints, call stacks, and watches for real-time troubleshooting.
* Leveraged AWS cloud services, including Amazon RDS, for secure, scalable, and high-availability database integration.
* Created and maintained technical documentation for ETL processes, and developed enterprise reporting solutions using SSRS, SSIS, Crystal Reports, and Microsoft RDLC.
* Managed source control and CI/CD pipelines using TFS, while following the full SDLC to deliver robust, production-ready software solutions.

**Environment:** Agile, JIRA, ASP.NET MVC, Razor Pages, MVC Architecture, ASP.NET Core Web API, RESTful APIs, WPF, WCF,

Angular, HTML5, CSS3, Bootstrap, JavaScript, TypeScript, Kendo UI, Entity Framework, Oracle, SQL Server, T-SQL, JSON,

XML, Visual Studio, Amazon RDS, AWS, SSRS, SSIS, Crystal Reports, Microsoft RDLC, TFS, SDLC.

**Client: Excellent WebWorld, Ahmedabad, India**  **May 2016 to Mar 2018**

**Role: .NET/J2EE Developer**

**Responsibilities:**

* Developed responsive, interactive user interfaces using HTML, CSS3, JavaScript, Bootstrap 4, jQuery, and Ajax, enhancing front-end usability across projects.
* Implemented full SDLC using both Waterfall and Agile methodologies, delivering .NET applications with ASP.NET 4.5.1, C#, AJAX, WPF (MVVM), and WCF for client-server interactions.
* Built dynamic web applications using ASP.NET Web Forms and MVC, developing custom controllers, models, and services for modular architecture.
* Utilized LINQ, ADO.NET, and T-SQL to perform complex queries and optimize data operations on SQL Server and PostgreSQL databases.
* Designed and consumed SOAP web services and created XML for structured data exchange, ensuring interoperability across distributed systems.
* Developed and tested .NET applications using XUnit, NUnit, and TFS, ensuring high-quality, maintainable, and reliable code.
* Deployed scalable cloud solutions on AWS (EC2, Lambda, RDS, S3, CloudFormation) and managed version control using SVN, enabling collaborative development.

**Environment****:**  C#, WCF, ASP.NET, MVC, CSS3, HTML, XML, .NET Framework 3.5, Unit testing, MS Visual Studio, AJAX, TFS, WCF, web forms, JavaScript, XML, WPF, SQL Server 2005, T-SQL, Agile Methodology, DB, AWS, Entity framework, SQL Server 2012, N-Unit, Windows.