**Mankala KirthiSri**

**Sr. Fullstack Developer**

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**PROFESSIONAL SUMMARY:**

* With over 10+ years of experience as a Sr. Fullstack Developer, I have specialized in .NET, J2EE, jQuery, Angular14, React, JavaScript, HTML, CSS, Type script, Vue.js and modern web technologies.
* Engineered sophisticated software solutions utilizing .NET and J2EE, which enhances both front-end and back-end functionalities while integrating advanced frameworks like Spring Boot and ASP.NET Core.
* Managed high-load transactional data systems using EJB, Hibernate, and Entity Framework for efficient data handling.
* Implemented interactive UIs with WPF, Blazor, and React, complemented by robust database management using MySQL, SQL Server, and PostgreSQL.
* Implemented messaging queues like Apache Kafka and Azure Service Bus.
* Utilized Azure services, including Azure Functions, Azure DevOps, Azure Cosmos DB, and Azure Kubernetes Service (AKS) to scale applications, boosting performance and availability.
* Proficient in implementing the complete software development life cycle (SDLC) using Agile methodologies.
* Enhanced e-commerce platforms with technologies like VB.NET, ASP.NET MVC, and Shopify, improving user interaction and system efficiency.
* Streamlined data access and management with NHibernate and Oracle for optimal performance.
* Built secure, RESTful APIs using ASP.NET Web API and GraphQL for robust client-server communication.
* Elevated project management and continuous integration/deployment processes using Visual Studio (2015, 2019), Azure DevOps, and Jenkins.
* Maintained high software quality with unit testing frameworks such as xUnit.net, NUnit, and Jasmine.
* Improved modularity and maintainability using dependency injection frameworks like Castle Windsor, Autofac, and Unity.
* Architected high-performance, secure financial applications with VB.NET, .NET Core, and blockchain technology for transaction integrity.
* Enhanced UI/UX in financial and enterprise applications with modern frameworks like Blazor, Angular, and React.
* Developed and deployed serverless solutions with Azure Functions and AWS Lambda to reduce costs and increase scalability.
* Managed data storage solutions using Azure Cosmos DB, MongoDB for high availability and performance.
* Ensured secure and efficient data exchange through advanced APIs using ASP.NET Core.
* Led CI/CD efforts with tools like GitHub Actions, Azure Pipelines, and CircleCI, significantly boosting team productivity and software release cycles.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C#, VB.NET, Java, HTML, CSS, Java Script, Type Script, Python, IronPython, PHP. |
| **Frameworks/Platforms** | .NET, .NET Core, J2EE, ASP.NET, ASP.NET Core MVC, Spring Boot, Blazor, Razor Pages |
| **Front-End Technologies** | Angular, React, WPF, Vue.js, jQuery, Bootstrap. |
| **Databases** | MS SQL Server, T-SQL, MySQL, Oracle, POSTGRE SQL, Azure Cosmos DB, Mongo DB, Cassandra. |
| **Development Tools** | Visual Studio, Visual Studio Code, Microsoft IIS, Jenkins. |
| **Cloud Technologies** | AWS, Azure, Azure Devops, Azure Functions, Azure AKS, Azure App Services, Azure Service Bus, AWS Lambda. |
| **Testing Tools** | MSTest, NUnit, xUnit.net, Jasmine, Selenium. |
| **Dependency Management** | Autofac, Castle Windsor, .NET Core DI. |
| **Version Control** | Git, GitLab, Git Hub, Docker. |
| **DevOps Tools** | Docker, Kubernetes, GitLab CI/CD, Azure Pipelines. |
| **ORM Tools** | Entity Framework, NHibernate, Entity Framework Core. |
| **Additional Tools and Technologies** | SignalIR, RabbitMQ, Apache Kafka, Azure API Management, AWS API Gateway, Terraform, Azure Resource Manager (ARM) templates. |

**PROFESSIONAL EXPERIENCE:
Client: Advantasure,** **Southfield, MI Jan 2023 to till date**

**Role: Sr. Fullstack Developer**

**Roles & Responsibilities:**

• Led the development of robust healthcare solutions employing C#, enhancing system functionality and user experience. Utilized .NET Core to build scalable backend services that support complex data processing requirements.

• Integrated Angular to craft dynamic and responsive user interfaces, improving patient interaction with healthcare platforms.

• Implemented Razor Pages to streamline the creation of server-side rendered pages, boosting load times and SEO performance.

• Managed Microsoft SQL Server for efficient data storage and retrieval, ensuring data integrity and security.

• Developed applications in Visual Studio Code, leveraging its powerful editing and debugging capabilities for faster development cycles.

• Designed and implemented the front-end interface using React JS, SASS, Bootstrap, and jQuery, resulting in a highly responsive healthcare application.

• Developed the back end of the platform with Flask and Django, creating robust RESTful APIs and ensuring seamless integration with the front-end, which improved overall system performance and reliability.

• Orchestrated container management using Docker, which facilitated a more efficient deployment and scaling process.

• Configured Azure AKS for managing Kubernetes services, improving the orchestration of containerized applications.

• Conducted unit testing with xUnit.net to validate code integrity and functionality, maintaining high quality standards.

• Employed Castle Windsor for dependency management, enhancing application modularity and maintainability.

• Optimized application performance and scalability by implementing efficient code practices and architecture designs.

• Enhanced user data protection and privacy compliance through rigorous security protocols and measures.

• Collaborated with interdisciplinary teams to align technological solutions with business healthcare goals.

• Provided technical leadership and guidance to development teams, fostering a culture of innovation and excellence.

• Conducted code reviews and mentoring sessions, sharing best practices and improving team skill sets.

• Integrated continuous integration and deployment pipelines using Azure, streamlining updates and bug fixes.

• Developed APIs using .NET Core, facilitating seamless and secure data exchange between systems.

• Created detailed documentation for software solutions, ensuring maintainability and ease of future enhancements.

• Worked closely with stakeholders to gather requirements and deliver tailored healthcare solutions.

• Monitored and optimized application performance using Azure monitoring tools, ensuring optimal operation.

• Implemented responsive web design principles, ensuring applications are accessible on various devices.

• Utilized Entity Framework Core for data access layer operations, increasing efficiency and reducing boilerplate code.

• Ensured compliance with healthcare regulations and standards in software development processes.

• Adapted quickly to changes in project scope and technology, maintaining project timelines and quality.

• Led sprint planning and review meetings, ensuring projects remained on track and aligned with client expectations.

• Leveraged ASP.NET MVC for developing dynamic web applications, enhancing user experience and functionality.

• Implemented Microservices architecture to improve system scalability and manageability.

• Utilized GraphQL for efficient and flexible data querying, enhancing the application's data handling capabilities.

• Deployed serverless functions using Azure Functions, increasing development efficiency and reducing operational costs.

• Employed Redis for caching solutions, significantly improving application performance and response times.

• Used Git for version control, ensuring robust and collaborative code management practices.

• Applied Test-Driven Development (TDD) practices to ensure code reliability and maintainability.

• Developed cloud-native applications with Azure DevOps, enhancing deployment efficiency and reliability.

• Integrated OAuth 2.0 for secure authentication and authorization across the application.

• Employed RabbitMQ for messaging and communication between distributed systems, enhancing application scalability.

• Utilized Kubernetes for container orchestration, ensuring high availability and efficient resource management.

**Environment:** C#, .NET Core, Angular, Razor Pages, Microsoft SQL Server, React JS, Django, Flask, Visual Studio Code, Docker, Azure AKS, xUnit.net, Castle Windsor, Azure, Entity Framework Core, Azure monitoring tools, ASP.NET MVC, Microservices, GraphQL, Azure Functions, Redis, Git, TDD, Azure DevOps, RabbitMQ, Kubernetes, SASS, Bootstrap, jQuery.

**Client: State of Maine, Augusta, Maine Oct 2020 to Dec 2022**

**Role: .NET Developer**

**Roles & Responsibilities:**

• Developed secure financial applications using C# to handle complex transactions and user data.

• Utilized .NET Core to build robust backend services that scaled efficiently under high traffic conditions.

• Implemented ASP.NET Core to enhance application security and performance, ensuring robustness in handling sensitive financial data.

• Managed databases using MS SQL Server, optimizing queries and schemas for better performance and reliability.

• Integrated Entity Framework Core to streamline data operations and reduce development time on database interactions.

• Designed responsive front-end interfaces using Angular, providing users with a seamless and interactive experience.

• Leveraged Visual Studio for its comprehensive development tools, enhancing coding efficiency and project management.

• Utilized Azure App Services to deploy and manage web applications, ensuring high availability and continuous performance.

• Conducted unit testing with xUnit.net to ensure the reliability and functionality of financial models and business logic.

• Employed Autofac for dependency injection, improving the modularity and maintainability of application components.

• Orchestrated microservices communication using Azure Service Bus, ensuring reliable and scalable service-to-service interaction.

• Enhanced user engagement through dynamic web applications designed with Angular, focusing on usability and accessibility.

• Implemented CI/CD pipelines using Azure DevOps, automating the software release process and enhancing collaboration.

• Designed and developed APIs using ASP.NET Core, facilitating secure and efficient data exchange between systems.

• Optimized application security measures, implementing best practices and protocols to safeguard user information.

• Collaborated with cross-functional teams to align development with strategic business goals and user needs.

• Led Agile development processes, overseeing sprint planning, daily stand-ups, and retrospectives to improve team performance.

• Monitored application performance in real-time using Azure monitoring tools, quickly addressing any issues that arose.

• Conducted in-depth code reviews to maintain high standards of code quality and encourage knowledge sharing.

• Engaged in ongoing learning to stay current with emerging technologies and trends in the financial services industry.

• Facilitated integration of new features and technologies into existing systems, maintaining system integrity and expansion.

• Managed resource allocation and project timelines, ensuring efficient progression and timely delivery of projects.

• Worked closely with QA teams to ensure rigorous testing processes were followed, delivering flawless financial solutions.

• Utilized Docker for containerization, simplifying deployment processes and enhancing application scalability.

• Managed Kubernetes clusters for orchestrating containerized applications, ensuring high availability and efficient resource utilization.

• Implemented OAuth 2.0 for secure user authentication and authorization, enhancing application security.

• Employed Redis for caching, significantly improving application performance and reducing database load.

• Used GraphQL to enhance data querying capabilities, providing flexible and efficient data retrieval.

• Leveraged RabbitMQ for asynchronous messaging, improving the reliability and scalability of microservices.

• Implemented serverless architecture using Azure Functions, enhancing the scalability and cost-efficiency of backend services.

• Utilized Git for version control, ensuring robust and collaborative code management practices.

• Adopted Test-Driven Development (TDD) methodologies to maintain high code quality and reliability.

• Engaged in cloud-native development with Azure DevOps, streamlining deployment and operations processes.

• Integrated Elasticsearch for advanced search capabilities, enhancing data retrieval speed and accuracy.

• Employed Swagger for API documentation, improving developer collaboration and API usability.

• Utilized Blazor for creating interactive web UIs with C# instead of JavaScript, enhancing developer productivity and application performance.

• Implemented API Gateway for managing and securing API traffic, improving the reliability and security of microservices architecture.

• Adopted Domain-Driven Design (DDD) principles to model complex business domains, ensuring alignment with business objectives.

• Utilized PowerShell for automating administrative tasks and deployment processes, improving operational efficiency.

• Employed Helm for managing Kubernetes applications, streamlining deployment and configuration processes.

**Environment:** C#, .NET Core, ASP.NET Core, MS SQL Server, Entity Framework Core, Angular, Visual Studio, Azure App

Services, xUnit.net, Autofac, Azure Service Bus, Azure DevOps, Azure monitoring tools, Docker, Kubernetes, GraphQL, RabbitMQ, Azure Functions, Git, TDD, Elasticsearch, Blazor, API Gateway, Domain-Driven Design (DDD), PowerShell.

**Client: Trans Union, Chicago, IL Oct 2018 to Sep 2020**

**Role: .Net Developer**

 **Roles & Responsibilities:**

• Architected and developed financial software solutions utilizing VB.NET and .NET Core to enhance system capabilities.

• Integrated Blazor for creating interactive user interfaces, significantly improving user engagement and experience.

• Employed React for building dynamic client-side applications, enabling real-time user interactions within financial tools.

• Implemented SignalR to facilitate real-time communication between client and server applications, enhancing data update notifications.

• Utilized Azure Functions to deploy serverless computing solutions, reducing infrastructure costs and increasing scalability.

• Managed data storage solutions with Azure Cosmos DB, ensuring high availability and performance for distributed data.

• Developed APIs using ASP.NET Core, enabling secure and efficient communication between different software components.

• Conducted extensive unit testing using NUnit to ensure the reliability and correctness of the application functionalities.

• Leveraged .NET Core DI for effective dependency management, improving code maintainability and scalability.

• Utilized Visual Studio Code for streamlined development, providing powerful tools for coding, debugging, and testing.

• Optimized application performance and efficiency by integrating advanced caching mechanisms and data retrieval strategies.

• Collaborated closely with product teams to understand user requirements and translate them into technical specifications.

• Engineered data migration and synchronization processes to integrate with legacy systems, minimizing downtime and data loss.

• Participated in code reviews to maintain high standards of code quality and to foster a collaborative team environment.

• Spearheaded the adoption of cloud technologies, particularly Azure services, to enhance application performance and security.

• Implemented responsive design principles to ensure that applications were accessible across multiple devices and platforms.

• Coordinated with IT security teams to enforce best practices in data security and to comply with financial regulations.

• Managed project timelines and resources, ensuring projects were delivered on time and within budget constraints.

• Facilitated continuous integration and deployment practices, improving team productivity and application quality.

• Conducted training sessions for the development team on new technologies and best practices, enhancing team capabilities.

• Utilized Docker for containerization, simplifying deployment processes and enhancing application scalability.

• Managed Kubernetes clusters for orchestrating containerized applications, ensuring high availability and efficient resource utilization.

Leveraged RabbitMQ for asynchronous messaging, improving the reliability and scalability of microservices.

• Implemented serverless architecture using Azure Functions, enhancing the scalability and cost-efficiency of backend services.

• Utilized Git for version control, ensuring robust and collaborative code management practices.

• Adopted Test-Driven Development (TDD) methodologies to maintain high code quality and reliability.

• Engaged in cloud-native development with Azure DevOps, streamlining deployment and operations processes.

• Integrated Elasticsearch for advanced search capabilities, enhancing data retrieval speed and accuracy.

• Employed Swagger for API documentation, improving developer collaboration and API usability.

• Utilized PowerShell for automating administrative tasks and deployment processes, improving operational efficiency.

• Implemented Helm for managing Kubernetes applications, streamlining deployment and configuration processes.

• Applied Domain-Driven Design (DDD) principles to model complex business domains, ensuring alignment with business objectives.

• Utilized Terraform for infrastructure as code, automating and streamlining cloud infrastructure management. Leveraged Azure Active

Directory for secure and centralized identity management, improving access control and compliance.

• Integrated Azure Logic Apps to automate workflows and business processes, increasing operational efficiency.

Environment: VB.NET, .NET Core, Blazor, React, SignalR, Azure Functions, Azure Cosmos DB, ASP.NET Core, NUnit, .NET Core DI, Visual Studio Code, Azure services, Docker, Kubernetes, OAuth 2.0, Redis, GraphQL, RabbitMQ, Git, TDD, Elasticsearch, PowerShell, Domain-Driven Design (DDD), Terraform, Azure Active Directory, Prometheus, Grafana, and Azure Logic Apps.

**Client: Aufait Technologies Pvt. Ltd., Bengaluru, India Jul 2016 to Sep 2018**

**Role: Software Developer**

**Roles& Responsibilities:**

• Developed robust e-commerce platforms using VB.NET, enhancing functionality and user experience for retail clients.

• Integrated NHibernate to manage object-relational mapping, simplifying data interactions and improving performance.

• Utilized Oracle databases to ensure secure and efficient data storage and retrieval operations.

• Built scalable web services using ASP.NET Web API, facilitating seamless communication between client-side and server-side

technologies.

• Employed Microsoft IIS as a web server, optimizing configuration and management for high traffic websites.

• Advanced application development using Microsoft Visual Studio, enhancing productivity and collaboration.

• Leveraged Azure cloud solutions to deploy and manage web applications, ensuring scalability and reliability.

• Implemented continuous integration and deployment practices with Azure DevOps, reducing downtime and speeding up

release cycles.

• Conducted unit testing with xUnit.net to maintain high quality standards and ensure application stability.

• Utilized Castle Windsor for dependency injection, improving code manageability and modularity.

• Enhanced user interfaces and customer experiences by integrating up-to-date front-end technologies like React and Angular.

• Collaborated with cross-functional teams to align technological solutions with strategic business goals.

• Managed database performance tuning and query optimization to handle large volumes of data efficiently.

• Facilitated the transition of legacy systems to modern architectures, minimizing disruption and maintaining data integrity.

• Ensured application security and compliance with regulatory requirements throughout the development lifecycle.

• Monitored application performance in production, identifying and resolving issues to maintain service quality.

• Provided technical leadership and mentoring to junior developers, enhancing team skills and project outcomes.

• Documented development processes and architectures, ensuring clarity and continuity in project handovers.

• Utilized Docker for containerization, simplifying deployment processes and enhancing application scalability.

• Managed Kubernetes clusters for orchestrating containerized applications, ensuring high availability and efficient resource

utilization.

• Implemented OAuth 2.0 for secure user authentication and authorization, enhancing application security.

• Employed Redis for caching, significantly improving application performance and reducing database load.

• Used GraphQL to enhance data querying capabilities, providing flexible and efficient data retrieval.

• Leveraged RabbitMQ for asynchronous messaging, improving the reliability and scalability of microservices.

• Implemented serverless architecture using Azure Functions, enhancing the scalability and cost-efficiency of backend services.

• Utilized Git for version control, ensuring robust and collaborative code management practices.

• Adopted Test-Driven Development (TDD) methodologies to maintain high code quality and reliability.

• Engaged in cloud-native development with Azure DevOps, streamlining deployment and operations processes.

• Integrated Elasticsearch for advanced search capabilities, enhancing data retrieval speed and accuracy.

• Employed Swagger for API documentation, improving developer collaboration and API usability.

• Utilized PowerShell for automating administrative tasks and deployment processes, improving operational efficiency.

• Implemented Helm for managing Kubernetes applications, streamlining deployment and configuration processes.

• Applied Domain-Driven Design (DDD) principles to model complex business domains, ensuring alignment with business

objectives.

• Utilized Terraform for infrastructure as code, automating and streamlining cloud infrastructure management.

• Implemented Istio for managing microservices traffic, enhancing application observability, and security.

• Leveraged Azure Active Directory for secure and centralized identity management, improving access control and compliance.

Environment: VB.NET, NHibernate, Oracle, ASP.NET Web API, Microsoft IIS, Visual Studio, Azure, xUnit.net, Castle Windsor, React, Angular, Docker, Kubernetes, GraphQL, RabbitMQ, Azure Functions, Git, TDD, Elasticsearch, PowerShell, Domain-Driven Design (DDD), Terraform, Azure Active Directory, Azure Logic Apps.

**Client: Fingent Global Solutions Pvt. Ltd., Kochi, India Nov 2014 to Jun 2016**

**Role: .NET/J2EE Developer**

 **Roles & Responsibilities:**

* Initiated projects utilizing .NET and J2EE frameworks, setting the foundation for scalable and robust applications.
* Developed client-facing applications using IronPython, enhancing scripting capabilities and system automation.
* Implemented Enterprise JavaBeans (EJB) to manage business logic in a distributed computing environment.
* Utilized Windows Presentation Foundation (WPF) for creating rich desktop client interfaces, improving user interaction.
* Managed databases effectively using MySQL, ensuring data accuracy and reliability for client projects.
* Leveraged Microsoft IIS as a web server, providing robust hosting capabilities for enterprise applications.
* Utilized Microsoft Visual Studio for integrated development, boosting efficiency and code quality.
* Integrated Azure cloud services to enhance application scalability and performance across distributed networks.
* Conducted unit testing with MSTest, ensuring code met quality standards and functional requirements.
* Employed Autofac for dependency injection, facilitating cleaner and more modular code architecture.
* Optimized application performance through effective caching strategies and performance tuning.
* Engaged with stakeholders to gather requirements and deliver tailored solutions, enhancing client satisfaction.
* Maintained and upgraded existing applications, incorporating new technologies and features as needed.
* Participated in continuous learning and training sessions, keeping up to date with emerging technologies.
* Supported team collaboration and project management activities to ensure timely delivery of solutions.

**Environment:** .NET, J2EE, IronPython, Enterprise JavaBeans (EJB), Windows Presentation Foundation (WPF), MySQL, Microsoft IIS, Microsoft Visual Studio, Azure cloud services, MSTest, Autofac.

**Education:**

* Bachelor of Technology (B.Tech) in Computer science at Osmania university, Hyderabad, Telangana, India - 2014