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**Senior .NET Developer**

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**Profile Summary:**

* As a **Senior .NET Developer** with **10+ years** of experience, expert in all phases of the Software Development Life Cycle (SDLC), application architecture, front-end development, database management, API architecture and cloud solutions. Demonstrates proficiency in creating secure, high-performance applications, optimizing user interfaces and ensuring scalable deployments.
* Highly skilled across all stages of the **Software Development Life Cycle** (SDLC), including requirements analysis, design, coding, testing, deployment and maintenance.
* Expert in employing **Agile** and **Kanban** methodologies to enhance project flow and meet dynamic client demands, boosting team output and project success.
* Profound knowledge of **C#**, using advanced features and practices to create efficient, scalable and secure applications.
* Proficient in implementing **N-Tier, Layered and Service-Oriented Architecture (SOA)** in .NET applications to build modular, scalable and maintainable systems that promote separation of concerns, streamline data exchange and ensure efficient workflow orchestration.
* Proficient in applying the **Abstract Factory, Singleton and Adapter design patterns** in .NET applications to streamline object creation, optimize resource usage and enable seamless integration of disparate systems, delivering scalable and maintainable architectures.
* Specialized in both **.NET Core** and **.NET Framework**, using cutting-edge features to develop robust server-side and desktop applications.
* Skilled in building responsive, user-focused web applications using **ASP.NET Core** and **ASP.NET MVC**, with a focus on enhancing performance.
* Mastery in database management through **Entity Framework**, **Entity Framework Core** and **ADO.NET**, optimizing data handling and operations.
* Proficient in developing and managing APIs using **RESTful services** with **JSON** and **SOAP** with **XML**, ensuring effective and secure data exchanges.
* Competent in handling API traffic and security using tools like **Azure API Management**, **YARP**, **AWS API Gateway** and **NGINX**.
* Advanced expertise in implementing **OAuth2**, **SSL** and **JWT** for authentication and secure communication in distributed environments.
* Expert in front-end technologies including **JavaScript**, **TypeScript**, **HTML**, **CSS**, **Bootstrap** and **Ajax**, creating dynamic and accessible web interfaces.
* Proficient in **Angular**, **ReactJS** and **jQuery**, leveraging their capabilities to enhance front-end interactivity and user experience.
* Skilled in managing complex database environments with **MS SQL Server**, **Oracle, PostgreSQL**, **MongoDB** and **Azure Cosmos DB**, ensuring data integrity and efficiency.
* Experienced in integrating and managing message queues with **MSMQ**, **RabbitMQ** and **Azure Service Bus** to support asynchronous communication and system scalability.
* Proficient in utilizing **Karma**, **Jasmine** and other testing frameworks to ensure thorough test coverage and application robustness.
* Expert in automated testing with **XUnit**, **NUnit**, **Moq** and **MSTest**, verifying application reliability and functionality.
* Proficient in deploying and managing cloud solutions across **AWS**, **Azure** and **GCP**, enhancing application scalability and performance.
* Uses **SonarQube**, **ReSharper** and **StyleCop** to uphold high code quality standards, adhering to best practices and coding guidelines.
* **Microservices Architecture**: Add your experience in designing and implementing microservices-based architectures, emphasizing modularity, scalability, and maintainability.
* **API Gateway and Service Mesh**: Highlight your skills in using API gateways like AWS API Gateway, Azure API Management, or Istio for service mesh to manage microservices traffic.
* Mastery of version control using **Git, GitHub**, **BitBucket**, **GitLab** and **SVN**, managing complex codebases and workflows efficiently.
* Advanced skills in application development environments with **Visual Studio**, **Visual Studio Code** and CI/CD tools like **MSBuild** and **TeamCity**.
* **Microservices**: Proficient in designing and implementing microservices architecture, ensuring modularity and scalability.
* **API Gateway and Service Mesh**: Experienced in using API gateways (e.g., AWS API Gateway, Azure API Management) and service meshes (e.g., Istio) to manage microservices communication and traffic.
* **Container Orchestration**: Advanced skills in managing microservices with Docker and Kubernetes.
* **Event-Driven Architecture**: Proficient in using message queues (e.g., RabbitMQ, Azure Service Bus) and event streaming platforms (e.g., Kafka) for asynchronous communication in microservices.
* **Service Discovery and Load Balancing**: Expertise in implementing service discovery (e.g., Consul, Eureka) and load balancing for microservices.
* **CI/CD for Microservices**: Skilled in setting up CI/CD pipelines for microservices deployment using tools like Jenkins, Azure DevOps, and GitLab CI/CD.
* **Monitoring and Logging**: Experienced in using monitoring (e.g., Prometheus, Grafana) and logging (e.g., ELK stack) tools for microservices applications.
* **Security in Microservices**: Advanced knowledge in implementing security measures such as OAuth2, JWT, and mutual TLS for securing microservices.
* Experienced in managing web servers and cloud environments including **IIS**, **Azure App Service** and container orchestration with **Docker** and **AKS**.
* Proficient in project management tools such as **Jira**, **GitLab Issues** and **Service Now**, enhancing project tracking and agile planning.
* Skilled in application performance monitoring using **Splunk**, **AppDynamics** and **New Relic**, tuning performance in real-time.
* Expert in managing **Docker** applications with **Kubernetes**, optimizing container management and resource utilization.
* Proficient in developing CI/CD pipelines with **Azure DevOps**, **Jenkins** and **GitLab CI/CD**, streamlining development processes.
* Skilled in automation and scripting with **PowerShell** and **Shell**, enhancing system configuration and management.
* Proficient in using documentation and collaboration tools such as **Confluence**, **GitLab Wiki** and **SharePoint** to effectively manage and distribute team knowledge.

**Educational Background:**

* Bachelors in computer science.

**Certificates & Accolades:**

* Microsoft Certified Azure Solutions Architect.
* AWS Certified Solutions Architect Associate.

**Employment Timeline:**

**Client: NYBC, New York City, NY Duration: Jan 2023 – Till Date**

**.NET Developer**

**Core Project Tasks:**

* Orchestrated the **Software Development Life Cycle (SDLC)** using **Agile** methodologies for the strategic planning, execution and delivery of healthcare software projects.
* Crafted sophisticated applications using **.NET technologies** like **C#**, focusing on advanced features such as Delegates, Events and Async Programming (Async/Await) to enhance application responsiveness in healthcare systems.
* Led the design and development of **.NET applications** using **Service-Oriented Architecture (SOA)**, creating reusable services that ensure efficient interoperability across distributed healthcare systems while enabling seamless data exchange and workflow orchestration.
* Utilized the **Adapter design** pattern to integrate disparate systems in **.NET applications**, enabling legacy and modern healthcare components to interact through unified interfaces while reducing integration complexity.
* Constructed robust web applications utilizing **ASP.NET Core MVC**, aligning with contemporary web standards and emphasizing scalability and performance in healthcare applications.
* Handled database operations using **ADO.NET**, utilizing tools like **SQLConnection**, SQLCommand and **DataSet** for efficient data management in healthcare databases.
* Engineered and managed **RESTful APIs** using **JSON** and secured API operations through **AWS API Gateway**, enabling secure and seamless data interactions in healthcare systems.
* Secured application authentication and authorization using **JWT**, bolstering defenses against unauthorized access in healthcare applications.
* Developed user interfaces using **TypeScript**, **HTML**, **CSS** and **Bootstrap** and built intricate interfaces with **AngularJS**, focusing on its ecosystem for healthcare application interfaces.
* Administered **PostgreSQL databases** to ensure optimal performance, data integrity and efficient data management in healthcare systems.
* Administered and scaled message queuing with **MSMQ** to support reliable, asynchronous inter-component communication in healthcare applications.
* Utilized **Moq** for object mocking in unit testing and **Jasmine** for frontend testing, ensuring thorough testing coverage and application reliability in healthcare software.
* Engineered and managed serverless functions with **Google Cloud Functions**, optimizing the use of cloud resources and minimizing infrastructure requirements for healthcare applications.
* Configured access and security settings using **Google Cloud IAM**, maintaining adherence to strict security standards and access controls in healthcare environments.
* Employed **ReSharper** for ongoing code quality checks, enhancing code precision and minimizing errors and technical debt in healthcare projects.
* Designed and implemented microservices architecture for healthcare software projects, ensuring high scalability and modularity.
* Utilized API Gateway and service mesh solutions to manage microservices traffic and communication securely and efficiently.
* Implemented service discovery using Consul to dynamically register and locate microservices, ensuring seamless inter-service communication.
* Used RabbitMQ for asynchronous communication between microservices, supporting reliable and scalable message processing.
* Managed microservices deployments with Kubernetes, optimizing container orchestration and resource utilization.
* Set up CI/CD pipelines for microservices deployment using Jenkins, ensuring automated and reliable delivery of updates.
* Managed source code and collaboration using **BitBucket**, facilitating effective version control and team development in healthcare software development.
* Utilized **MSBuild** as a build tool to compile code, manage dependencies and package applications, ensuring consistent build quality in healthcare software.
* Deployed and managed applications on **IIS**, overseeing web server configurations to guarantee high availability and operational performance for healthcare applications.
* Designed, implemented and optimized **PostgreSQL databases**, ensuring high performance, data integrity and scalability to support complex analytical queries and healthcare application requirements.
* Managed project tracking with **Trello**, monitored performance with **Application Insights**, directed CI/CD with **Jenkins** and maintained documentation with **BitBucket Wiki**, supporting agile practices and enhancing team collaboration in healthcare projects.

**Tech Stack:** .NET Framework, C#, ASP.NET Core MVC, TypeScript, HTML, CSS, Bootstrap, AngularJS, PostgreSQL, MSMQ, Moq, Google Cloud Functions, Google Cloud IAM, ReSharper, BitBucket, MSBuild, IIS, Microservices, Docker, Kubernetes, RabbitMQ, Consul, Jenkins, API Gateway (AWS API Gateway, Azure API Management), Service Mesh (Istio), OAuth2, JWT, mutual TLS, Trello, Application Insights, BitBucket Wiki

**Client: State of OH, Columbus, OH Duration: Feb 2020 – Dec 2022**

**Senior.NET Developer**

**Core Project Tasks:**

* Directed the full **Software Development Life Cycle (SDLC)** using **Agile** methodologies to efficiently plan, execute and deliver sophisticated financial software projects.
* Crafted applications using **.NET technologies** such as **C#**, employing features like Generics and Collections to enhance performance and scalability for financial systems.
* Designed and implemented **N-Tier Architecture** in **.NET applications** to organize financial system functionality into logical tiers, promoting modular development, improved security and easier maintenance by isolating layers of data access, business logic and presentation.
* Applied the **Singleton design pattern** to control resource access in **.NET applications**, ensuring a single shared instance of critical financial components, optimizing resource usage and maintaining consistent global state across multiple financial client projects.
* Developed scalable, high-performance web applications using **ASP.NET Core**, aligning with modern web standards and employing features such as middleware, dependency injection and asynchronous programming to boost scalability and user experience in financial applications.
* Leveraged **Entity Framework Core** for database operations, managing data access through DbContext, DbSet and the Repository Pattern and optimizing data querying with LINQ, direct SQL Queries, LINQ to Entities and Entity SQL for financial data.
* Engineered and maintained **RESTful APIs** using **JSON**, managing API deployment and security via **Azure API Management** for secure financial data exchanges.
* Implemented **OAuth2 security protocols** to secure data access and transmission within financial applications, ensuring robust authentication and authorization.
* Employed **TypeScript**, **HTML**, **CSS** and **Bootstrap** to craft dynamic and user-friendly financial interfaces, adept at adapting to various screen sizes and devices, enhancing overall user experience.
* Developed dynamic web applications using **React JS**, focusing on components, JSX, props, state management, hooks, the VirtualDOM, **React Router** and the Context API for interactive financial dashboards.
* Managed application data in **MongoDB**, optimizing storage, retrieval and data integrity processes for efficient and reliable operations in financial applications.
* Overseeing asynchronous processing leveraged **RabbitMQ** for reliable and scalable message queuing, ensuring seamless handling of financial transactions for enhanced performance and scalability.
* Performed comprehensive backend testing with **XUnit** and frontend unit testing using **Karma** to verify software reliability and performance in financial applications.
* Developed financial applications using microservices architecture, enhancing system modularity and scalability.
* Implemented service discovery with Eureka to manage dynamic microservices registration and discovery.
* Leveraged Kafka for event-driven communication in financial applications, ensuring real-time data processing and streaming.
* Utilized Docker and Azure Kubernetes Service (AKS) for managing microservices, optimizing deployment and scaling.
* Enhanced CI/CD processes for microservices using GitLab CI/CD, streamlining automated deployments.
* Created serverless functions with **AWS Lambda** for scalable, event-driven tasks in financial systems, reducing overhead and boosting performance.
* Administered identity access and security policies via **IAM**, securing and complying access to cloud resources in financial environments.
* Maintained exceptional code quality and enforced rigorous coding standards by leveraging **StyleCop**, ensuring consistency and readability across the code base for enhanced maintainability and collaboration in financial projects.
* Managed source code and monitored changes using **VSTS/TFS**, ensuring efficient workflows in financial development team settings.
* Used **Visual Studio** for software development, leveraging its debugging and deployment capabilities for financial applications.
* Ensured high availability and scalability of financial applications by managing deployment and runtime environments using **Docker** with **Azure Kubernetes Service (AKS)**.
* Efficiently managed projects with **Jira** and ensured application stability using **Splunk**, while streamlining development processes with **GitLab CI/CD** and **PowerShell scripting** and maintaining comprehensive documentation in **Confluence** for collaboration in financial projects.
* **Tech Stack:** .NET Framework, C#, ASP.NET Core, Entity Framework Core, TypeScript, HTML, CSS, Bootstrap, React JS, MongoDB, RabbitMQ, XUnit, Karma, AWS Lambda, IAM, StyleCop, VSTS/TFS, Microservices, Docker, Eureka, Kafka, GitLab CI/CD, Visual Studio, Docker, Azure Kubernetes Service (AKS), Jira, Splunk, PowerShell, Confluence.

**Client: Oracle, Austin, TX Duration: Jan 2019 – Jan 2020**

**Senior.NET Developer**

**Core Project Tasks:**

* Oversaw the complete **Software Development Life Cycle** (SDLC) leveraging **Agile** practices to guarantee on-time delivery of superior software solutions.
* Crafted applications with cutting-edge **.NET technologies**, including **C#**, focusing on **Lambda Expressions** and **LINQ** for crafting streamlined, effective and maintainable code.
* Applied **Layered Architecture** principles in **.NET applications**, ensuring clear separation of concerns among presentation, business logic and data layers, leading to modular and scalable code structures that facilitate integration and future enhancements.
* Implemented the **Abstract Factory design pattern** to create families of related objects in **.NET applications**, encapsulating complex object instantiation logic and ensuring compatibility between configurations while promoting modularity and testability.
* Employed **.NET Core** for constructing applications that adhere to modern standards by capitalizing on its cross-platform abilities, componentized structure and superior performance.
* Applied **Entity Framework Core** for efficient data handling, using DbContext, DbSet and the Repository Pattern, coupled with LINQ, direct SQL Queries and LINQ to Entities and Entity SQL.
* Designed and executed **REST APIs** using **JSON** to streamline data exchange and controlled API interactions through **YARP** (Yet another Reverse Proxy).
* Enforced **SSL/TLS protocols** to secure and encrypt data transfers across network channels, safeguarding sensitive information against unauthorized access.
* Administered user authentication and security with **Azure Active Directory**, managing access controls and implementing single sign-on (SSO) for enhanced security and user management.
* Developed front-end applications using **TypeScript**, **HTML**, **CSS** and **Bootstrap** and built complex user interfaces with **Angular**, focusing on components, services, routing and forms.
* Directed database operations and architecture in **Azure Cosmos DB**, aiming for optimal performance and consistency.
* Managed asynchronous operations and messaging in **.NET applications** using **Azure Service Bus**, ensuring reliable communication and scalability across services.
* Integrated **NUnit** for backend verification and **Jasmine** for frontend testing to secure thorough testing coverage and enhance application dependability.
* Engineered and administered serverless functions with **Azure Functions** for improved scalability and minimized infrastructure costs.
* Deployed **SonarQube** in **.NET environments** for automated code quality checks and technical debt management, ensuring high standards.
* Supervised source code management using **GitLab**, ensuring code integrity and facilitating collaborative development.
* Utilized **Visual Studio** for streamlined development, enhancing developer productivity and workflow efficiency.
* Implemented and monitored application deployments on **Azure App Service** for resilient and scalable application hosting.
* Tracked project progress and issues with **GitLab Issues**, ensuring agile and effective project management.
* Applied **AppDynamics** for monitoring application performance to maintain optimal functionality and rapidly address performance bottlenecks.
* Governed container orchestration with **Docker** and **Kubernetes**, directed CI/CD initiatives via **Azure DevOps**, automated development tasks using **Shell Script** and curated project documentation in **GitLab Wiki** for streamlined development and knowledge exchange.

**Tech Stack:** .NET Core, C#, Entity Framework Core, ASP.NET Core, TypeScript, HTML, CSS, Bootstrap, Angular, JSON, YARP, SSL/TLS, Azure Active Directory, Azure Cosmos DB, Azure Service Bus, NUnit, Jasmine, Azure Functions, SonarQube, GitLab, Visual Studio, Azure App Service, GitLab Issues, AppDynamics, Docker, Kubernetes, Azure DevOps, Shell Script, GitLab Wiki.

**Client:** **First Republic Bank, San Francisco, CA Duration: July 2015 – Oct 2018**

**.NET Developer**

**Core Project Tasks:**

* Orchestrated the end-to-end **Software Development Life Cycle** (SDLC) for financial software applications, adeptly integrating **Agile** practices to ensure structured project development from inception through deployment, navigating complex regulatory and compliance requirements with finesse and adaptability.
* Leveraged **.NET** technologies with a mastery of **C#** programming, applying advanced object-oriented principles such as Polymorphism and Encapsulation to architect and refine high-performance applications tailored to financial enterprise needs.
* Demonstrated proficiency in **.NET Framework** to engineer robust, scalable solutions, orchestrating seamless system integrations and ensuring the highest standards of scalability and maintainability for mission-critical financial applications.
* Spearheaded the development and management of **SOAP APIs** using **XML**, leveraging **NGINX** to fortify data exchanges with rigorous security measures while optimizing performance and reliability for financial transactions.
* Engineered and administered serverless functions with **Azure Functions** for improved scalability and minimized infrastructure costs, particularly for financial data processing and analytics.
* Designed adaptive and intuitive web interfaces utilizing a diverse array of front-end technologies including **JavaScript**, **HTML**, **CSS** and **Bootstrap**, ensuring unparalleled accessibility and responsiveness for financial platforms across diverse devices.
* Directed comprehensive project management, overseeing database tasks, application testing, version control, continuous integration, issue resolution and performance monitoring, ensuring financial applications meet stringent industry standards.
* Employed **Oracle** for robust database management, **MSTest** for meticulous testing, **Git** for version control, **TeamCity** for streamlined integration, **ServiceNow** for issue resolution and **New Relic** for performance monitoring of financial applications.
* Ensured seamless coordination and efficiency across development processes, maintaining high standards of quality, security and performance throughout the project lifecycle in compliance with financial industry regulations.

Utilized **SharePoint** for document management and collaborative work, organizing and sharing project documentation to facilitate efficient knowledge transfer and team cooperation in financial projects.

**Tech Stack:** .NET Framework, C#, HTML, CSS, JavaScript, AJAX, jQuery, Bootstrap, SQL, Oracle, SVN, ADO.NET, XML, SOAP, NGINX, Azure Functions, MSTest, TeamCity, ServiceNow, New Relic, SharePoint

**Client: Crate & Barrel, Northbrook, IL Duration: Jan 2013 – May 2015**

**.NET Developer**

**Core Project Tasks:**

* Applied **Agile** methodology to manage full-cycle software development, overseeing phases from requirements analysis to system design, implementation, testing, and maintenance.
* Advanced proficiency in the **.NET Framework**, developing complex applications in C# that exemplify strong Object-Oriented Programming principles.
* Led front-end development efforts, creating sophisticated web components using HTML, CSS, and **JavaScript**, and leveraging **AJAX** and **jQuery** to enhance interactivity and dynamic content management.
* Managed and optimized database operations, performing advanced data manipulation and writing complex **SQL** queries to support business processes.
* Designed and implemented **RESTful** web services, enhancing system integration and data exchange capabilities within web applications.
* Oversaw the development and maintenance of e-commerce functionalities, improving product management systems and shopping cart features for enhanced user experience.
* Refined JavaScript and client-side scripting capabilities, developing robust scripts for form validations and interactive features to improve usability and functionality.
* Mastered version control using **SVN**, managing version control operations and maintaining source code integrity through strategic commits, merges, and branches.
* Conducted comprehensive software testing, leading efforts in bug identification, reporting, and debugging to assure quality and reliability of applications.
* Authored detailed technical documentation, clarifying code functionalities and software operations to streamline project documentation and team communication.
* Explored and utilized .NET interoperability with **COM** components, enhancing application capabilities and integrating legacy systems.
* Developed and optimized data access layers with **ADO.NET**, facilitating efficient data interactions and application performance.
* Executed complex reporting tasks, generating insightful reports from database queries to support decision-making and business intelligence.
* Gained expertise in web service development, applying **XML** and **SOAP** to design and implement robust service-oriented architectures.
* Managed website content updates, overseeing text and graphic modifications, ensuring content accuracy and alignment with best practices.
* Utilized .**NET technologies** to develop tools for managing network infrastructure, optimizing performance and ensuring uptime. Implemented solutions for monitoring and troubleshooting network issues, enhancing overall network reliability and efficiency.

**Tech Stack:** .NET Framework, C#, HTML, CSS, JavaScript, AJAX, jQuery, SQL, SVN , ORM tools, ADO.NET, XML, SOAP.