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Professional Summary

Senior Software Engineer with over 8 years of experience in developing, optimizing, and scaling complex software solutions. Proficient in .NET, ASP.NET Core, and C# with a strong understanding of System architecture and cloud services. Known for delivering high-quality, scalable applications and mentoring teams in agile environments.

Professional Experience

- Senior .NET Developer at CodeZone — 06/2021 to Present
- • Led a team of developers in building and scaling ERP systems for a large client base, resulting in a 30% improvement in operational efficiency.
- • Architected and implemented Solutions to improve system modularity and maintainability, reducing deployment times by 40%.
- • Designed and optimized CI/CD pipelines using Jenkins and Docker, which cut deployment times by 25% and improved system uptime.
- • Collaborated with cross-functional teams to define project requirements, providing technical expertise to ensure feasibility and scalability.
- • Mentored junior developers, guiding them on best coding practices, design principles, and problem-solving strategies.
- perform the development of a high-performance data processing system that managed large datasets, achieving a 50% reduction in data retrieval times.
- • Designed a secure RESTful API for client-facing services, which handled over 100,000 requests daily with minimal downtime.
- • Collaborated closely with product managers and UX designers to optimize user experience and align with business goals.
- • Implemented role-based access control (RBAC) to enhance security and compliance for sensitive data operations.
- • Facilitated regular code reviews, ensuring code quality and adherence to industry best practices across the development team.
- Contributed to the development of multiple software solutions in the IT department, focusing on system integrations and process automation.

- Developed and maintained applications for resource tracking and asset management, which improved resource allocation by 20%
- Mid-Level Software Engineer From 1/1/2018 to 31/5/2021 at Urban Communities Authority Ministry of Housing.
- Junior Software Engineer From 1/6/2014 to 31/12/2017 at Urban Communities Authority Ministry of Housing.
- Junior Software Engineer From 1/1/2014 to 31/5/2014 at Ebda Software Company.

Technical Skills

- Languages: C#, .NET Core, ASP.NET MVC, JavaScript, SQL
- DBMS: Sql server, Postgress
- Software Design & Architecture: Domain-Driven Design (DDD), Event-Driven Architecture
- Designed and implemented a scalable event-driven architecture using Kafka to handle real-time data processing
- Entity Framework and Dapper.
- Source control TFS and Git.
- Frontend: Vue.js, Blazor, JavaScript, jQuery, AJAX, HTML5
- Backend: .NET Core, ASP.NET WebForms, ASP.NET MVC
- Middleware: Microservices, RESTful APIs, WCF, Entity Framework, Dapper
- Databases: Microsoft SQL Server, MySQL, MongoDB
- Cloud Platforms: Microsoft Azure, AWS (Amazon Web Services)
- Reporting: Crystal Reports, Telerik, Stimulsoft

Projects

- ERP Solution for Healthcare: Developed a comprehensive ERP system for managing healthcare operations, including patient records, inventory, and billing. Implemented using .NET Core, SQL Server, and REST APIs.
- Inventory Management System: Led a team to build a scalable inventory management system with automated ordering and analytics, reducing stockouts by 25%.
- Data Analytics Platform: Created a data analytics platform that processed large datasets in real-time, providing insights and reporting for business intelligence purposes.
- Legacy System Migration: Migrated a monolithic legacy application to a cloud-based architecture on Microsoft Azure, resulting in a 40% cost reduction and improved scalability.

Education

Bachelor of Science in Computer Information Systems
Suez Canal University, Egypt