

SRINIVASAN SUNDARLAL

Houston, Texas

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PROFESSIONAL SUMMARY:

Having around 5 years of experience as a senior software engineer and working with Object-oriented programming with a proven ability to design, develop, and implement high-quality software applications. Expertise in utilizing object-oriented principles and design patterns to create scalable, maintainable, and efficient code. Hands-on expertise in designing, developing, and deploying applications using .NET technologies including working with **C#, WPF, XAML with Telerik UI, MVVM pattern, JSON/XML, ASP.Net, HTML,CSS, Angular.js, ASP.Net WEB API for developing Restful services, LINQ, Entity Framework, RDBMS like MS-SQL Server 2019, 2022 – Views, Stored Procedures, Software Design patterns – Singleton, Dependency Injection, Reporting Services - SSRS.**

- Dedicated professional with expertise in providing and enhancing desktop software interface.
- Proven track record in designing, developing, testing, deploying, maintaining, and continuously improving desktop applications.
- Collaborated seamlessly with managers, product groups, Customer Support, Marketing, and key stakeholders, cross-functional teams to gain a deep understanding of customer requirements.
- Translating and aligning with system design specifications into a quality product.
- Adhered to company's strict design criteria and ensured that released goods had overall functional quality across a variety of platforms and mechanisms.
- Created, recorded, and implemented software designs involving complex processes and several product categories.
- Oversaw teams to achieve effective results while acting as the technical lead for several projects in particular product domains.
- Contributed significantly to the technological orientation of products, helping to shape their invention and development.
- Occasionally provided advice and insights about upcoming improvements and product additions to the stakeholders.
- Demonstrated skill in overcoming difficult technological obstacles to guarantee the smooth operation of the product and designed efficient workflow solutions, driving project success and customer satisfaction.
- Provided specialist knowledge of software disciplines and systems, together with thorough understanding of associated applications and client requirements.

TECHNICAL SKILLS:

Languages/Technologies	C#, C++, .NET Framework, ASP.Net MVC, Razor, Web API, WPF, MVVM and MVC frameworks, LINQ, Entity Frameworks, HTML, CSS, Javascript, Angular, jQuery, Bootstrap, WPF XAML, SQL server – Views, Stored procedures, Indices, Azure DevOps, GIT processes, AI and machine learning concepts, Design Patterns – Singleton, Dependency Injection.
Frameworks	Entity Frameworks, MVVM, MVC
Tools	Powerpoint, Excel, Word, Sharepoint, Tableau, Power BI, Visio, Postman, Grafana.
Database Environments	SQL Server, MYSQL
IDEs	Microsoft Visual Studio
Software Development Methodology	Agile and scrum
OS	Windows & Linux

PROFESSIONAL EMPLOYMENT

Senior Software engineer

MSC Technology

Jan 2019 – July 2022

Responsibilities:

- Design and develop reusable custom services for Windows applications using **C#, WPF, XAML, MVVM** architecture, **Entity Framework, SQL server, LINQ** queries, Visual Studio IDE.
- Worked on the Front-end, and backend part of the client requirements.
- Design and develop new UI features and Controls for desktop applications using custom control in WPF using third-party **Telerik** library.
- Collaborated with the UI/UX, fellow developers, and external teams to discuss the impacts

analysis of certain developments.

- Designed and implemented **RESTful** web services with **ASP.Net WEB API**.
- Wrote SQL queries using SQL CRUD operations, **stored procedures, views, functions,** and **Query optimization** and faster data retrieval using MS SQL server.
- Generating reports using **SSRS** tool by fetching the real time data.
- Incorporated the agile development method and delivered the features in timely manner for each sprint to the client.
- Attended the daily standups and Demo meetings to stakeholders.
- Resolving issues in **CI/CD** platforms in Azure **DevOps** Pipelines.
- Worked with message queueing services using Azure Service Bus to instantly receive the real-time data from the external services.
- Analysed the possible risk mitigation and plans along with the team.
- Tracking of service failures in Grafana, App Insight, and ServiceNow tools and analyse the root cause of the issue.
- Performed unit testing like **nUnit** Testing and **xUnit** Testing in all layers of the software and supported for automation testing performed by QA team.
- Ensuring that the software complies with the requirements and specifications outlined in the ISO and ANSI design standards.
- Performing of functional testing before deploying in any environments.
- Deployed 4-layer structure for the project such as **Data-Access-Layer, Repository-Layer, Data-Business-Layer and UI-Layer.**
- Worked with message queueing services using **Azure Service Bus** to instantly to enable seamless integration between microservices.
- Deployed Entity Framework for database and **ORM** (Object-Relational Mapping) manipulation with **MS SQL Server**, used Database First Approach to build the models and back-end logic.
- Conducted code reviews, mentored junior developers, and promoted best practices for development, including code modularity, separation of concerns, and test-driven development (**TDD**).

Under-Graduate Teaching Assistant
University of Houston Victoria
Aug 2022 – Dec 2023

Responsibilities:

- Worked as a lab instructor for students to help them complete their lab tasks in C++ language for the programming fundamentals course.
- Code reviews of students for their submission of the assignments.
- Evaluated students to uncover learning deficiencies and devise improvement plans.
- Evaluated and graded examinations, assignments, or papers and recorded grades.
- Met with supervisors to discuss grades or complete grade-related paperwork.
- Tutored or mentored students in need of additional instruction.
- Adhered to university requirements for student assignments, testing, and grading of work.

EDUCATION QUALIFICATION

- Master of Science – Computer Science - University of Houston Victoria - Dec 2023
- Bachelor of Engineering (Mechanical), Anna University - April 2018

CERTIFICATIONS

- .NET and Java - Accord Infomatrix