Silpa Nandipati

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## PROFESSIONAL SUMMARY

*Experienced .NET Developer adept at architecting and developing enterprise N-tier applications, utilizing Microsoft .NET Technologies and Cloud Infrastructure for over 6 years. Proficient in ASP.NET MVC, C#, Entity Framework, and Azure, with expertise in front-end and back-end development. Skilled in RESTful and SOAP web services, version control with Git, and CI/CD pipelines using Jenkins. Strong background in SQL Server, MySQL, and Oracle databases, ensuring efficient data management and reporting. Seeking a Senior .NET Developer role, with a strong preference for remote work opportunities.*

## SKILLS

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| * Requirement Analysis * Functional Analysis * Systems Integration * Cloud Infrastructure Management * Azure Deployment * Data Migration * Documentation | * Microservices Implementation * UI Design * Front-end Development * Back-end Development * Security Implementation * Continuous Integration * Continuous Delivery | * Version Control * Unit Testing * Bug Tracking * Agile Methodology * Conflict Resolution * Problem-solving * Effective Communication |

## TECHNICAL PROFICIENCIES

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| * **Languages:** | C#, Visual Basic (VB), JavaScript, XML |
| * **.NET Technologies:** | .NET 4.8, 4.7, 4.6, 4.5, .NET Core 6/5/3.1, ASP.NET MVC 5, ADO.NET, Entity Framework, Web Forms, Win Forms, WCF, WPF, LINQ, Web API |
| * **Web Technologies:** | HTML, CSS, JavaScript, jQuery, AngularJS, ReactJS, Razor, Telerik Controls, Kendo UI, Bootstrap |
| * **Cloud Infrastructure:** | Microsoft Azure, Amazon Web Services (AWS) |
| * **Web Services:** | Restful, SOAP |
| * **Servers:** | IIS 10/8/7 |
| * **Version Control Tools:** | Git, GitHub, Bitbucket, SVN |
| * **CI-CD Tools:** | Jenkins |
| * **Reporting Tools:** | SQL Server Reporting Services (SSRS), Crystal Reports |
| * **IDEs:** | Visual Studio 2019/2017/2015, Eclipse |
| * **Testing Tools:** | NUnit |
| * **Bug Tracking Tools:** | Jira |
| * **Databases:** | SQL Server, MySQL, Oracle |
| * **Operating Systems:** | Windows, Linux, Unix |

## EDUCATION

### Don Bosco P.G College, India

**Master of Computer Applications**

## KEY EXPERTISE

* 6+ years of experience in Microsoft .NET Technologies and Cloud Infrastructure, including requirement analysis, architecture, design, and development of enterprise N-tier applications.
* Proficient in ASP.NET MVC 5/4, C#, VB.NET, ADO.NET, Entity Framework, Web Forms, Visual Studio, LINQ, Ajax, jQuery, JavaScript, HTML, CSS, and AngularJS for web application development.
* Skilled in both front-end and back-end development with .NET Framework 4.8/4.7/4.6/4.5 and .NET Core 6/5/3.1.
* Strong expertise in ASP.NET WebForms, Web Services, ASP.NET MVC, and Entity Framework for data access layer.
* Experienced in developing ASP.NET Web API Controllers for service layer implementation.
* Proficient in Azure for deploying, operating, and maintaining systems using Microsoft Technologies.
* Hands-on experience in Azure Data Factory, Storage Account, Linked service, Blob Storage, Service Fabric, Azure SQL, and Azure DevOps.
* Proficient in Amazon Web Services (AWS) administration, including CLI, EC2, VPC, S3, Lambda, CloudFormation, IAM, and CloudWatch, among others.
* Skilled in designing User Interfaces (UI) with HTML, CSS, JavaScript, JQuery, AngularJS, ReactJS, Razor, Telerik Controls, Kendo UI, and Bootstrap.
* Experienced in deploying .NET applications through IIS and ensuring security features like Authentication and Authorization.
* Proficient in Web Services (SOAP, Restful, WSDL, UDDI) and Service Oriented Architecture (SOA) using .NET Core Framework.
* Extensive experience in SQL Server, MySQL, and Oracle for writing Queries, Stored Procedures, Functions, Triggers, and Views.
* Knowledgeable in migrating services from .NET Framework to .NET Core with Jenkins Pipeline setup and hosting on Kubernetes with Docker images.
* Proficient in version control using Git, GitHub, Bitbucket, and SVN.
* Skilled in implementing fully automated Continuous Integration and Continuous Delivery (CI/CD) processes using Jenkins.
* Experienced in writing unit test cases and performing unit testing using NUnit.
* Proficient in generating reports using SQL Server Reporting Services (SSRS) and Crystal Reports.

## EXPERIENCE

### SouthState Bank | Winter Haven, FL

**.NET Developer**

October 2021 – Present

**Application Development:**

* Designed and created applications using .NET 4.8 and .NET Core 6, primarily utilizing C#.
* Employed C#, MVC, ASP.NET Web API, and Web Forms, leveraging MVC 5.0 Razor Engine.

**Database Management:**

* Implemented .NET Core Entity Framework, proficient in adding and removing migrations.
* Migrated databases from SQL Server to Azure SQL Server, enhancing scalability and maintenance.

**Cloud Deployment and Management:**

* Implemented security measures using Azure and deployed applications to Azure, optimizing maintenance on Virtual Machines.
* Developed pipelines in Azure Data Factory for efficient data transfer.

**Microservices Architecture:**

* Utilized Azure Service Fabric to implement microservices and deployed them in clusters.

**User Interface Development:**

* Designed rich and interactive UIs with HTML5, ASP.NET Master Pages, Telerik Controls, JavaScript, CSS3, ReactJS, jQuery, and Bootstrap.
* Implemented ReactJS for one-way data flow and virtual DOM for enhanced UI interactivity.

**API Development:**

* Developed Restful architecture using Web API Controllers for seamless data retrieval.

**Version Control and Testing:**

* Utilized Git for version control and NUnit for unit testing of business class methods.

**CI/CD Automation:**

* Established on-premises CI/CD solutions using Jenkins and Azure DevOps Pipelines for automated deployment.

**Reporting:**

* Created and deployed reports using SQL Server Reporting Services (SSRS).

**Environment:**

* ASP.NET MVC 5, .NET 4.8, .NET Core 6, ADO.NET, C#, Microsoft Azure (Data Factory, Blob Storage, Azure SQL, VMs, Azure DevOps), LINQ, Entity Framework, Web API, WCF, WPF, Web Forms, Win Forms, Razor View Engine, Telerik Controls, Ajax, ReactJS, HTML, CSS, JavaScript, jQuery, Bootstrap, IIS 10, Jenkins, Git, SQL Server, Restful Web Services, Visual Studio 2019, SQL Server Reporting Services (SSRS), NUnit, Jira

### Circle Internet Financial Limited | Boston, MA

**.NET Developer**

January 2019 – September 2021

**Application Development:**

* Developed applications using .NET Framework 4.7.2, .NET Core 5/3.1, Entity Framework, and Visual Studio 2017.
* Utilized ASP.NET Core, Razor Pages, Themes, Web Parts, and JavaScript for application development.

**Microservices Architecture:**

* Implemented Microservice architecture-based services, utilizing a combination of REST and leveraging AWS for building, testing, and deploying identity Microservices.
* Utilized event-driven and scheduled AWS Lambda functions to trigger various AWS resources.

**AWS Infrastructure Management:**

* Maintained and expanded AWS S3 infrastructure using AWS services like SNS and SQS.
* Defined AWS Security Groups to control traffic to AWS EC2 instances.

**Deployment and Hosting:**

* Hosted Windows Web APIs and ASP.NET applications in IIS, creating Cloud Instances using AWS for deployment.

**Service Integration:**

* Implemented WCF services and improved logging exception management support for early problem detection.

**Database Development:**

* Used ADO.NET for database connectivity and storage on SQL Server.
* Employed LINQ for data retrieval, querying, and manipulation of different data sources such as XML and SQL.

**User Interface Development:**

* Developed UI Pages using Razor View Engine, HTML5, CSS3, JavaScript, AngularJS, and jQuery.
* Updated web pages to implement AJAX functionality for enhanced user experience.

**Authentication and Authorization:**

* Worked on authentication and authorization concepts for secure sign-in module development.

**Version Control and CI/CD:**

* Utilized Git for version control and Jenkins for CI/CD.

**Testing and Reporting:**

* Developed reports using SSRS and executed test cases using NUnit testing framework.
* Conducted unit testing, integration testing, and performance optimization of database queries.

**Environment:**

* ASP.NET MVC 5, .NET 4.7.2, .NET Core 5/3.1, ADO.NET, C#, Amazon Web Services (AWS) – (EC2, S3, Lambda, IAM, SNS, SQS), Entity Framework, LINQ, Web API, WCF, WPF, Web Forms, Win Forms, Razor View Engine, Ajax, AngularJS, HTML5, CSS3, IIS 8, SQL, Restful, SQL Server, Visual Studio 2017, Git, Jenkins, SSRS, NUnit, Jira

### NOVA Financial & Investment Corporation | Tucson, AZ

**.NET Developer**

August 2017 – December 2018

**Application Development:**

* Utilized .NET MVC, n-tier architecture, and Object-Oriented Methodologies for application development.
* Developed applications using .NET 4.6, C#.NET, ASP.NET MVC, Entity Framework, and Visual Studio 2015.

**Data Access Layer Development:**

* Designed and implemented a Data Access Layer using ADO.NET to connect, retrieve, or manipulate database information.

**Web API Development:**

* Implemented Web API controllers supporting HTTP methods such as GET, POST, PUT, and DELETE.
* Worked on Restful Services using Web API, returning JSON data and consuming Web services in applications.

**User Interface Development:**

* Developed the UI layer using HTML, CSS, and JavaScript to enhance the site's look and feel.

**Database Integration:**

* Used Entity Framework to establish relationships between tables in the original legacy schema.

**Service-Oriented Architecture:**

* Worked in WCF to send data as asynchronous messages between service endpoints hosted by IIS 7.0.

**Custom Action Filters:**

* Implemented Custom Action filters for authentication, authorization, logging, and data viewing purposes.

**Scripting and Testing:**

* Created and tested highly complex back-end scripts, stored procedures, and triggers.
* Performed unit, integration, and regression testing using NUnit.

**Reporting:**

* Created Crystal Reports in SQL Server using prior features.

**Methodology and Tools:**

* Followed Agile Methodology for software development, utilizing JIRA as a bug-tracking tool.

**Environment:**

* ASP.NET MVC 5, .NET 4.6, ADO.NET, C#, Web API, LINQ, Entity Framework, Visual Studio 2015, HTML5, CSS3, JavaScript, IIS 7, WCF, Restful Web Services, SQL Server, Crystal Reports, NUnit, JIRA, Agile