**SUDESHNA MUKHERJEE**

**Senior .NET Developer**

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#### PROFESSIONAL SUMMARY:

* **Microsoft Certified Professional** with about **18+ years** of experience in the IT industry, involved in complete SDLC including requirements gathering, client interaction, analysis, design, development, testing, implementation, debugging, maintenance & documentation of business applications in the client/server environment.
* Executed software projects for **Telecom** (NTL) and **CPG industry** like (KPMG, PMI, Nestle, Campbell Soups) and **Insurance** **Industry** like **National Flood Services** and **Progressive Insurance**
* Solid experience in design and development of applications using **.NET Framework 1.1/2.0/3.0/3.5/4.6/4.8,.NET Core, Entity Framework core,.NET6 ,C#, VB.NET, ASP.NET, AJAX, ADO.NET, Visual Studio.NET/2003/2005/2008/2019, AngularJS ,XML, XML Schema, XSLT etc.**
* Experience working with **WCF,** **WPF**, **LINQ**, **Web Services, SOAP, REST APIs,(WEB API.)**
* Extensive experience as a Senior System Analyst in Design, Development and Implementation of commercial Web Based applications, Client-Server and 3-tier applications along with Framework component development. Experienced in **ASP.NET, ASP.NET MVC, C#.NET, VB.NET, LINQ, SharePoint 2007 HTML, DHTML, VB Script, Java Script, jQuery, AngularJS, CSS,HTML5**
* Experience also includes legacy systems using **VB 6.0, ASP, COM/DCOM**, HTML, DHTML, VBScript, JavaScript, and other technologies
* RDBMS experience includes **SQL Server 2008/2005/2000/2017, Oracle** **11g/10g/9i, Access 2000** ,**PostgreSQL** and programming using SQL, PL/SQL, TSQL, ADO.NET/ADO, JDBC etc
* Experienced with **Objected Oriented Programming**, design patterns (strategy, repository singleton, MVC etc), agile environment.
* Familiar with **Microservice Architecture** and **API Gateway** (Ocelot)
* Extensively worked on **DTS, SSIS, SSRS, Crystal Report, Power BI.**
* Experience in source control systems like **Microsoft Team Foundation Server (TFS 2010/2015), Visual Source Safe**, **SVN and GIT, Azure DevOps**.
* Experience in bug tracking, issue tracking using **JIRA. Kanban board, Azure**
* Experience in **CI/CD Pipeline** for continuous integration, analysis, design and implementation on Web and Windows based Applications
* Basic knowledge of **AWS**. Working with **EC2,S3, Batch**, **AZURE**
* Basic knowledge of **MongoDB.**
* Possesses excellent communication skills and good team Player with extraordinary problem solving and trouble-shooting capabilities and will prove a valuable asset to any project.

#### TECHNICAL SKILLS

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| --- | --- |
| **Technologies:** | Dot Net Framework 1.1, 2.0, 3.5 ,4.6, 4.8, NET Core,.NET6 |
| **Languages** | VB.Net , C#.Net, . VB.NET, ASP.NET, ADO.NET, UML, XML, AJAX ,ASP 3, Visual Basic 6, COM/DCOM, Active-X, Visual Source Safe, XML, Windows Remote Scripting, IIS 5, , VBScript, JavaScript and HTML |
| **Database** | Oracle 11g,12g PL/SQL in SQL Server 2000,2005,2008,2017 ,Postgresql |
| **Others** | MVC, .NET , ADO.NET, Crystal Reports, XML, HTML, CSS, IIS, Windows services and Web services, Spring Boot |
| **Tools:** | Visual Studio IDE 2019, Intellij Idea |
| **Reporting:** | Crystal Reports , Power BI, Pentaho , Telerik |
| **Version Control** | Visual Source Safe**,** Clear Case, TFS, SVN, Bitbucket, GIT, VSTS |
| **Cloud Technology** | Amazon S3**,**EC2,Batch, Azure Board, Azure Devops Repo |

#### WORK HISTORY

**Client: Progressive Casualty Insurance Company Feb 2023 to Till Date**

**Location: Dallas, TX/ Remote**

**Role: Senior .NET Developer**

**Flood System:**

The Flood application of progressive helps to provide quick and accurate flood insurance quotes, application submissions, and endorsements electronically. It also provides tools that allow you to view customers’ policy information online. The system intuitively tailors the information that is presented on the system pages and seamlessly hides and shows data fields based on system authority, rules, and other data selections.

**Responsibilities:**

* Writing Technical Specification, Unit Test cases and Implement Regulatory changes requested by FEMA.
* Analysing the project and providing the estimate from scratch to client for the **SDLC** cycle.
* Worked on Visual Studio/.NET framework **( C#.NET/VB.NET)** to implement business logic.
* Created andConsumed **Web API** for sending the data and fetching the data .
* Developing business tools using **ASP.NET MVC**
* Developed **Web Forms** for the modules **using ASP.NET server controls, validations controls, HTML and CSS.**
* Implemented ASP.NET routing using convention based and attribute based routing.
* Developed multiple desktop application using user controls.
* Created/Modified **Stored Procedure, Functions, Triggers, Views** in SQL and effectively used within the application and developed complex SQL queries using SQL Server.
* Involved in tuning expensive SQL queries and Stored Procedures for better performance.
* Involved in developing reports using **crystal reports** and generated the PDF output.
* Involved in Peer review.
* Experienced most of the modern development methodologies such as **Agile** and **CI/CD .**

**Technologies:** **Vb.NET, C# .NET, ASP. NET,JavaScript,.NET 4.8, WCF, SQL Server, Azure DevOps, Visual Studio 2019**

**Client: Gates Corporation Jan 2023 to Feb 2023**

**Location: Dallas, TX/ Remote**

**Role: Senior .NET Developer**

NPTS Design project was built to be living design document during the Old PTS rewrite.

**Responsibilities:**

* Involved on Release Based Software Delivery approach , worked mainly on Development
* Development of Front-End UI screens within **WPF**
* Worked on Business Logic and Data Access layer classes and integrated in UI using **MVVM** pattern,
* Performing a detailed architectural analysis and spilt up the modules within the team.
* Created Custom Controls and used then to Navigate between different window.
* Worked on Binding, DataTemplates, Layout Panels in **XAML.**
* Used **Telerik controls** RadGridView, RadDatePicker etc
* Experienced in **ORM using ADO.NET, Entity Framework, LINQ and Lambda expression** to connect to SQL Server Database from repositories classes for retrieving ,manipulating ,querying ,storing data from database.
* Created Email Notification service endpoint and involved in designing email html template.
* Created/Modified **Stored Procedure, Functions, Triggers, Views** in SQL and effectively used within the application and developed complex SQL queries using SQL Server.
* Involved in iterative, test-driven and SCRUM method of **Agile** Methodology.

**Technologies:** .**NET 6, C# .NET, SQL Server, Telerik, Entity Framework,GIT**

**Company: National Flood Services Jan 2013 to Dec 2022**

**Location: Overland Park, KS/ Remote**

**Role: Senior .NET Developer / Lead**

**Client: FEMA, ALLSTATE, New Jersey Re,** **Seattle Speciality – NIIC.**

**Flood Connect:**

The Flood Connect system helps to provide quick and accurate flood insurance quotes, application submissions, and endorsements electronically. It also provides tools that allow you to view customers’ policy information online. The system intuitively tailors the information that is presented on the system pages and seamlessly hides and shows data fields based on system authority, rules, and other data selections.

**Responsibilities:**

* Writing Technical Specification, Unit Test cases and Implement Regulatory changes requested by **FEMA**.
* Analyzing the project and providing the estimate from scratch to client for the **SDLC** cycle.
* Involved in iterative, test-driven and SCRUM method of Agile Methodology.
* Used **vb6 and classic ASP** to do couple of enhancement on legacy applications.
* Implemented validations in all ASP pages by Java Script for client-side validation and **VB script** for server-side validation.
* Used HTML and CSS for web page design and JavaScript for client-side validations.
* Implemented Layouts and Partial view to maintain consistent look and feel for **Razor Web Page**.
* Responsible for migrating vb6 and Asp application to **.NET Framework (VB.NET, C#.NET, AngularJS)**
* Developed application using **ASP.NET MVC 5 , .NET Core, WCF and WEB Api**
* Effectively used different State Management Technique using **ASP.NET**
* Responsible for developing UI pages using **AngularJS, HTML5,CSS**
* Developed Visual Component with through **WPF using xaml .**
* Used **LINQ** to build set of operation, parameters and expression during execution a set of data from Oracle
* Created & consumed web services (**SOAP/WCF)** in the business logic of the application.
* Created Email Notification service endpoint and involved in designing email html template.
* Created and Consumed Web API for sending the data and fetching the data .
* Designed and Developed user interface for various modules using **Win Forms, Windows Service, Desktop Application .**
* Developed Rest API to get the files from **S3 bucket** and store file **in S3.**
* Developed and deployed batch in **AWS.**
* Created Email Notification service endpoint and involved in designing email html template.
* Created/Modified **Stored Procedure, Functions, Triggers, Views** in SQL and effectively used within the application and developed complex SQL queries using oracle 12g.
* Involved in tuning expensive SQL queries and Stored Procedures for better performance.
* Involved in developing reports using **crystal reports** and generated the PDF output..
* Worked on crystal report and doc-variable and mail-merge to generate letters ,bills and declaration pages.
* Worked on Pentaho reports. Involved in migrating Pentaho reports to **Power BI**.
* Involved in Peer review.
* Used **SVN** /**TFS/ GIT** for version controlling and configuration management.

**Technologies: Vb.NET, C# .NET, ASP. NET, ASP.NET MVC, .NET Core,VB6, Classic ASP, JavaScript, Oracle12g(TOAD), IIS 6.0 .NET 4.6, .NET core, AngularJS, bootstrap, WCF,WPF, Rest API,AWS S3 ,EC2,GIT,Bitbucket, SQL Server, Postgresql**

**Company: IBM Jan 2012 to Jul 2012**

**Client KPMG, Montvale, NJ**

**Role: Software .NET Lead**

Supported multiple .NET based application like Databus, DataPower,Workflow-Metastorm, US Analytics and Leading onsite and offshore team.

**Responsibilities:**

* Developed based on Service Oriented Architecture utilizing with Ajax controls.
* Analyzing the project and providing the estimate from scratch to client for the SDLC cycle.
* Performing a detailed architectural analysis and spilt up the modules within the team.
* Used JavaScript to build the rich text editor with file upload options.
* Used **HTML** and **CSS** for web page design and JavaScript for client-side validations.
* Involved in gathering requirements from the business and documenting it for the team’s review.
* Used extensive **AJAX** programming to avoid the server-side overload.
* Involved in tuning expensive SQL queries and Stored Procedures for better performance.
* Created & consumed **web services** in the business logic of the application.
* Used caching to improve the performance of the application.
* Involved in developing reports using crystal reports, active reports and generated the PDF output.
* Used **TFS** for version controlling and configuration management.
* Handled application using multithreading concepts
* Leading onsite and offshore team.

**Technologies: C# .Net, ASP. NET, JavaScript, SQL Server, SSRS, SSIS, IIS 6.0**

**Company: IBM May 2010 to Dec 2011**

**Client: Campbell Soups, Camden, NJ**

**Role: .NET Developer**

**Project: iSales**

iSales is a vendor application developed by CAS, used within the CPG industry to develop and support marketing, promotion plans and payments. The functionality deployed was extended to support Campbell business processes.

**Responsibilities:**

* Implement the Technical design on different layers (database, business logic, user interface and intermediate layers) of CPWerx using the CAS Modeler and check the application for results. Customize the business logic layer, if required, by programming in Visual Basic.Net 2.0. Compile the business logic package and check the application for results. Used Java Script for validation.
* Worked in gathering requirements from the business users along with the business analysts and writing technical use cases.
* Implemented **Object Oriented Programming (OOP)** concepts in the application.
* Created User controls (UI) for reusability.
* Designed and developed web pages using **ASP.NET, Tree-View, CSS and Themes**
* Designed a Graphical User Interface (GUI) for web builder tool.
* Developed Master Pages and Content Pages for consistency and navigation.
* Created queries, Stored Procedures, tables, and other SQL joins and statements for applications using SQL SERVER 2008.
* Used AJAX Controls Toolkit in order to improve performance of the overall application.
* Used HTML and CSS for web page design and JavaScript for client/Server-side validations.
* Developed Database independent Data Access API for **ADO.NET** using SQL Client in C#.
* Created XML Schema to validate XML document instances.
* Made use of Data Grid, Data List and Repeater Controls to display data in a customized format in the ASP.NET web pages.
* Performed application-level tracing, debugging and state maintenance through the web.config file under the root directory of the application.
* Updating status to the client, successful deployment and co-ordination during User acceptance testing.

**Technologies: C#.NET, ASP.NET, AJAX, Visual Studio.net, Microsoft .NET Framework 2.0, SQL Server 2008, Web Services, IIS 6.0**

**Company: IBM Apr 2009 to Apr 2010**

**Role: .NET Developer**

**Project: Nestle Retail Execution Project**

**Client: Nestle, Atlanta, GA**

CPWerx 7.0 is a web product of CAS, Germany, that supports the consumer product industry and offering a complete solution designed to cover business processes from Trade Promotion Management, Field Sales Management and Field Sales Execution. The Nestlé Zone AMS implementation is limited to Field Sales Management and Field Sales Execution. Data integration to & from external systems is a deliverable for this project. Inbound/Outbound files could be in XML or CSV format. For CSV files, 'Interfaces' need to be built using the CAS Modeler, to define the data structure.

**Responsibilities:**

* Helped to develop Inbound Interfaces for Customer, Product Master Data
* Created XSD, XSLT files for Inbound/Outbound XML files for Brand and Sales data
* Performed Unit-testing for Inbound Interfaces Customer and Product Hierarchy
* Created Technical Design documents based on the Functional specifications to specify the changes to be done on the architectural layers (database, business logic, user interface and intermediate layers) of CPWerx.
* Test support and bug fixing

**Technologies: CPWerx 7.0 Application, CAS Modeler, CSS Tools VB.NET 2.0, SQL Server 2005**

**Company: IBM Sept 2008 to Apr 2009**

**Client: Philip Morris International (PMI): Laussane, Switzerland**

**Role: .NET Developer**

**Project: CMART (Capacity Management and Reporting Tool)**

CMART is a PMI-wide application used in Factories, Clusters and PMI. It ensures there is clear visibility and consistency in production capacity figures at all levels of the organization. At the factory level, mid-term planners must use CMART to manage the capacity in the factory. CMART will streamline the role of production planners by eliminating the need for each factory to maintain complex and inflexible Excel solutions to calculate and manage capacity.

**Responsibilities:**

* Gathering requirements from the clients
* Preparation of Technical spec and design document.
* Designed and developed **Web Forms using ASP.NET,** for the user interface.
* Performed Client-side validations using validation controls in ASP.NET.
* Experience in backend programming worked on SSIS, DTS Packages, T-SQL/PL SQL that includes Stored procedures, Views, Triggers, Functions, Cursors, developing and monitoring of **SSIS, SSRS and DTS Packages**.
* Used C# Technology for server-side programming.
* Preparation of Unit Test Specs
* Performing Testing, Support

**Technologies: C#, ASP.NET 2.0, SQL Server 2008**

**Company: IBM June 2007 to Sept 2008**

**Client: Philip Morris International (PMI) ; Laussane, Switzerland and India**

**Role: .NET Developer**

**Project: CVQA (Central Visual Quality Audit)/ SQA**

CVQA application is used by Philip Morris International Central Quality Audit team and other PMI affiliates worldwide. CVQA is used for visual quality inspection of finished products by detecting non-conformities of finished goods.

When new products are launched, their associated quality criteria are properly defined and uniformly applied by all factories in a reasonable period of time. The same principle applies for existing products when adjustments of standards are required.

**Responsibilities:**

* Involved in Complete Project Life Cycle
* Created Web-based user interface in ASP.NET 2.0.
* Worked with ADO.NET, stored procedures and MS SQL Server to retrieve user input data.
* Build Security Credentials for users Authentication and Authorization.
* Involved in Objected Oriented Analysis and Design using .net architecture.
* Implemented XML web services using C# and ASP.NET.
* Designed and developed various Web forms C#.Net.
* Development of UI of the portal.
* Designed Web Forms for various modules using ASP.NET and developed Business and Data tier using VB.NET and ADO.NET.
* Implemented role-based security and customizable workflows based on a user's role involving Authentication and Authorization modules proved by ASP.NET.
* Worked extensively on AJAX controls and also used Java Script for client-side validations.
* Designed, and developed user interface screens using HTML, CSS, and JavaScript.
* Utilized Data grid and Data List for manipulation of records, and used Data Reader, Data Adapter, and Dataset for database transactions

**Technologies: Visual Studio 2008, Team Foundation Server, IIS, ASP.Net 2.0, C#, JavaScript, ADO.NET, HTML, XML, Web Services, SOAP, and SQL Server 2005, MSF, Unit testing, WINDOWS SERVER 2008**

**Company: IBM May 2006 to May 2007**

**Client:Philip Morris International (PMI); Laussane, Switzerland**

**Role: .NET Developer**

**Project: EHS (Environment Health and Safety)**

EHS is a web-based Intranet application developed to collect EHS data from all PMI factories and Markets in the world, consolidated at HQ and validated through a workflow process. This information can then be used for generating MIS reports and statistical analysis for HQ and Affiliate’s EHS management.

**Responsibilities:**

* Gathering requirements from the clients
* Preparation of Technical spec and design document.
* Worked on the enhancement using ASP/VB
* Implemented validations in all ASP pages by Java Script for client-side validation and VB script for server-side validation.
* Created and implemented the Cascading Style sheets (CSS) in all ASP and HTML pages for easy maintenance.
* Preparation of Unit Test Specs
* Performing Testing and Support

**Technologies: VB6, ASP, ASP.NET, SQL Server 2000, Crystal Report**

**Company: IBM May 2006 to Mar 2007**

**Client:Philip Morris International (PMI); Laussane, Switzerland**

**Role: Developer**

**Project: iTrack**

I-Track is a central system which regroups and consolidates production, shipment and transactional information from local tracking systems, enabling the immediate customer's identification of PM shipping cases. This application developed with the intention of tracking all out going consignments to PMI customers. This is a high level of tracking where consignments can be tracked up to the first customer sale and as also penetrates into the second level of sale from the first customer. This is intended to have detailed movement related data of all consignments to fight counterfeit products.

**Responsibilities:**

* Identify production issues and provide fixes.
* Preparation of Unit Test Specs
* Performing Testing
* Support

**Technologies: VB.NET, SQL Server 2000**

**Company: IBM Jul 2005 to Mar 2006**

**Client: NTL, Basingstoke, UK**

**Role: Developer**

ntl is one of UK's leading high speed broadband providers, offering digital TV, telephone, internet services for residential customers and a range of voice, data and internet products to business customers and public sector organizations.

**Responsibilities:**

**•** Preparation of Unit Test Specs

• Performing Testing

**Technologies: Test Director**

#### EDUCATION:

* M.Tech from Indian Institute of Technology, Kharagpur in 2005
* M.Sc from Jadavpur University, Kolkata in 2003
* B.Sc from Jadavpur University, Kolkata in 2001