**Suresh Thiruppalani**

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732-734-5740

**SUMMARY**

* IT Professional with **13 years of Software industry**, complete understanding of the **Software Development Life Cycle** (SDLC) including business requirements analysis, design, development and implementation of **Web, Console** and **Windows** based applications.
* Experience **gathering business requirements**, completing key **architecture design**, and overseeing low-level and high-level **design and documentation** across the **software development lifecycle**.
* Expertise in all phases of Software Development Life Cycle; insightful experience in project planning, designing application, formulation of deployment strategy, and the creation of software products according to client requirements.
* **Performing code reviews** and providing critical suggestions for fix and improvements. **Building prototype** and recommend enterprise and application-level **software selection.**
* Strong programming experience in **SQL - SSIS solution** development
* Strong knowledge of **SQL and scripting experience** in coding stored procedures, functions, and triggers using **MS SQL Server.**
* Strong programming experience with web technologies including **HTML, JavaScript, ASP.NET and Web Services**.
* Hands on experience with **Microsoft technology stacks** **(Microsoft Azure, .NET Framework, .NET core, SQL Server, C#, ASP.NET Web Forms, ASP.NET MVC, Web API, Entity Framework, Azure**
* **Build and deploy management** with TFS, and **Azure DevOps**.
* Involved in **Azure Devops (IAAS & PAAS)** development application
* An extremely motivated and proficient individual in **DevOps, Build and Release, Software Configuration Management (SCM) in accordance with client needs**. Excellent understanding of SDLC Methodologies like Waterfall, Agile Process.
* Insights, Unity for DI, **Azure DevOps**, Git, TFS, SSIS, SSRS, MS Bot Framework), and **many other tools and languages** (SVN, Git, JIRA, Confluence etc.)
* Experience with different software development processes (**Agile** development, Waterfall development, **TDD,** DDD), and various software architecture patterns (layered**,** client-server, Component driven, pipe-filter, model-view-controller, object oriented, **REST API**, DI)
* Developed Rules Engine Framework from scratch using SQL Server, XML, and .NET Framework to automate business processes.
* Experienced in **developing & consuming WCF Services.**
* Designed **UML diagrams** using various tools including Visio.
* Design Documents [**HLDD**], Business Requirement Specification [**BRS**], Admin Guides and Release Notes.
* **8+ years** of experience in **Team Lead** role [Effort estimation, task distribution, knowledge transfer planning, risk analysis and management] and ability to work as an individual contributor.
* Having used **Waterfall**, **Spiral** and other software developmental methodologies in the past now concentrating on **Agile** development and extreme programming paradigm.
* Knowledgeable and experienced in the deployment of .Net web application & windows services in pre-production & production servers.
* Strong knowledge in **Insurance domain and Broker Dealer services.**
* Confident, hardworking, optimistic, Strong Team skills and Leadership qualities
* Strong communication skills and experience in external interaction in information gathering from clients and third-party vendors

**Technical Skills**

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| --- | --- |
| **Platforms and Languages** | C#, .Net Framework, Azure DevOps |
| **Web Technologies** | ASP.NET, MVC.NET, WCF, Angular, jQuery, Bootstrap, CSS, HTML, Web API, JavaScript |
| **Unit Testing** | NUnit, MS Fakes, Microsoft Unit Test Framework |
| **Database Technologies** | ADO.Net, Entity Framework |
| **Database Management Systems** | SQL Server, MySQL |
| **Reporting Tools** | SSRS, Crystal reports |
| **Design, Architecture** | SOA, Clean Architecture, Object Oriented Principles & Design (OOPD), Test Driven Development (TDD), DDD |
| **Process, etc.** | Agile, Scrum, Waterfall, Kanban |
| **Development tools** | Visual Studio, Visual Studio Code, SSMS, GitHub, TFS, Azure DevOps, Veracode/Securecode |

**EDUCATION**

Bachelor of Technology in Information Technology, 2007

**Certificates**

**LOMA 280 Principles of Insurance**

**LOMA 290 Insurance company operations**

**LOMA 301 Insurance Administrations**

**AZ-900**  **Microsoft Azure Fundamentals**

**Professional Experience**

**Cognizant Technology Solutions, Madison, WI July 2011 – Till Date**

**Senior .NET Developer / Technical Lead**

**CLIENT: CUNA Mutual Group, Madison, WI July 2011 – Till Date**

**PROJECT: Corp Service Win Upgrade, Secure Code & IA Exam**

**DUARTION: August 2020- Till Date**

**DESCRIPTION:**

Corporate Services area in CUNA has around 40 systems and several components in each of it that are running 2008 windows server and requires to be moved to 2016 server. The code to be moved to new server should pass the Veracode scan, the scan setup for each component and fixing of the flaws.

**Technology Involved:**  **AZURE DevOps, GIT, .NET, MVC, .NET Core, jQuery, Azure Devops Cloud, Quartz, Entity Framework, LINQ, CSS, SQL Server, Sharepoint API’s, REST, Web API, Angular 6.0**

**RESPONSIBILITIES:**

* Perform regular business meetings with infra team to understand need on the change.
* Create the detailed execution plan for each system/component.
* Work with business/appops/security/infra team to complete the required server setup.
* Veracode scan setup of each component.
* Azure DevOps update to include the automated scan.
* Veracode flaw analysis, fix, provide mitigation plan for the flaws.
* System/UAT testing of the code in new server along with Veracode setup.
* Production plan/communication and implementation.

**PROJECT: Corporate Credit Card Update**

**DUARTION: June 2019 – June 2020**

**DESCRIPTION:**

This project is to move the corporate credit card vendor process to new vendor for the company.

**Technology Involved:**  **AZURE, GIT, .NET Framework 4.0/4.5, Visual Studio .NET 2019, SSIS, SSRS, MS SQL Server 2008**

**RESPONSIBILITIES:**

* Perform regular business meetings to understand the business need on the functional change.
* Work with vendor to identify the required feeds and setup the functional flow.
* Create SSIS packages and setup the feed movement between company and vendor.
* Create required build and release pipelines for the packages.
* Work with business to obtain UAT signoff
* Production plan/communication and implementation.
* Stabilization and support handover.

**PROJECT: Life and Annuity Health Maintenance**

**DUARTION: October 2018 – June 2019**

**DESCRIPTION:**

This project is to provide functional support and enhancements to the LAH area applications.

**Technology Involved:**  **Azure, GIT, .NET Framework 4.0/4.5, Visual Studio .NET 2012 and 2016, IIS 7.0, C#.NET 4.0, Web Services, XML, SSIS, MS SQL Server 2008**

**RESPONSIBILITIES:**

* Perform regular business meetings to understand the business need on the functional change.
* Create PBI and refine it with the team by working with product owner.
* Participate in the scrum ceremonies and represent the offshore
* Coordinate the work with offshore and complete the development activity
* Release coordination

**PROJECT : Azure DevOps Implementation**

**DUARTION: January 2017 – May 2018**

**DESCRIPTION:**

This project is to move the CBSI/corporate services suite of applications from its current source control to the GIT environment. Create build and release definition for a smoother check in and deployment process as part of Continuous Integration and Continuous Deployment/Delivery process.

**Technology Involved:** Azure, GIT, .NET Framework 4.0/4.5, Visual Studio .NET 2012 and 2015, IIS 7.0, C#.NET 4.0, Web Services, XML, SSIS, MS SQL Server 2008

**RESPONSIBILITIES:**

* Performed the analysis to decide the priority of the web application/batch/SSIS to be migrated early.
* Estimation and draw out the roadmap of achievement based on the benchmark for each component.
* Migrated the code/database to GIT.
* Created the required transform config files.
* Created build definition and release definition.
* Deployed the code in all pre-prod servers and tested.
* Performed peer reviews for other developers.
* Prepared the learning/instruction documents for other developers to understand the concept and implement it.
* Deployed the code to prod environment and monitored.

**PROJECT: CRWS Upgrade for Advisor Support Apps**

**Duration: January 2016 – November 2016**

**DESCRIPTION:**

This project is to create an executable that can pull content from sitecore and creates a local copy of the same for advisor and navigator suite of applications to use it. The change involves modifying the existing applications flow to use the locally stored content to save up the time and use the GUID to pull content instead of the portal ids. The application should be capable of pulling the content directly from sitecore if a local copy is not found.

**Technology Involved:** **.NET Framework 4.0/4.5, Visual Studio .NET 2012 and 2015, IIS 7.0, C#.NET 4.0, ASP.NET 3.0, ADO.NET, HTML, CSS, JavaScript, Web Services, XML, Sitecore**

**RESPONSIBILITIES:**

* Performed code analysis to find the possible CRWS 4.0 code upgrade.
* Developed the code to consume the new sitecore service.
* Designed a master page and used CSS to provide a consistent look and feel of inherited web pages.
* Developed the executables to pull the content to local DB
* Created jobs in control-m scheduler.
* Devised and developed Web Services and configured Web Services with appropriate end points for consuming them in the web application.
* Performed peer code reviews for other developers.
* Prepared technical specification documentation and used Windows SharePoint Services to share information and documents across the team and departments.
* Deployed the code using in house deployment tool DCS.
* Involved in unit, functional, system integrated, user acceptance and security testing.

**PROJECT: Salesforce RAW Data load**

**Duration: March 2015 – December 2016**

**DESCRIPTION:**

This Project is to convert the CRM data from Smart office, RedTail to Salesforce to support the advisors associated with CBSI area of CUNA Mutual Group. The conversion is for all the CUs associated and with strict time line to complete the same.

**Technology Involved:** **MS SQL Server 2008, SSIS**

**RESPONSIBILITIES:**

* Performed design and documentation for architecture, and framework for the solution.
* Developed SSIS ETL component for loading and processing the data from the excel format to the database tables.
* Developed complex database queries, stored procedures, triggers using SQL.
* Performed peer code reviews for other developers.
* Prepared technical specification documentation and used Windows SharePoint Services to share information and documents across the team and departments.
* Involved in unit, functional, system integrated, user acceptance and security testing.

**PROJECT: Home Banking & Pershing Image Conversion**

**Duration: July 2014 – March 2015**

**DESCRIPTION:**

The Home Banking system provides member level CBSI Investment information to Credit Unions for display on their Home banking websites. The Credit Union provides a list of subscribed Members via MOVEit and this process generates a file for the CU with Investment balance information for each of those Members. This file is returned to the CU via MOVEit.

Perhsing Project is to build the application to convert all the images stored for the advisors and migrate them to the Pershing. The images will be of different format and should be converted to PDFs, zipped and labeled before sending it to Pershing. Pershing will create my cabinet folder for each advisor and store the images based on the labels to appropriate advisor folders. Each zip file should have a maximum of 450 files and each PDF should have one index file and one EOB, and one zip should only have one advisor files.

The program can handle the return acknowledgement file for each zip file sent in past runs and handles any errored files in the current run.

**Technology Involved: .NET Framework 4.0, C#.NET, SQL Server 2008, Executables MS SQL Server 2008, SSIS**

**RESPONSIBILITIES:**

* Performed design and documentation for architecture, and framework for the solution.
* Gathered the requirement along with the business, SME from the product owner.
* Developed SSIS ETL components for loading and processing the data from the excel format to the database tables.
* Created DML and DDL statements for creating and populating the database tables in SQL Server 2012.
* Created stored procedures in SQL to be used by the SSIS.
* Developed complex database queries, stored procedures, triggers using SQL.
* Performed peer code reviews for other developers.
* Prepared technical specification documentation and used Windows SharePoint Services to share information and documents across the team and departments.
* Involved in unit, functional, system integrated, user acceptance and security testing.

**PROJECT: Investor Connection Rewrite**

**Duration: January 2014 – November 2014**

**DESCRIPTION:**

The Investor connection website connects consumers from their credit union site to the financial advisory services program to provide advisory services. The Project involves reverse engineer the legacy ASP application to create the Visio diagram that will serve as a requirement document for the rewrite. The development work involved

**Technology Involved:** **.NET, MVC, jQuery, Entity Framework, LINQ, WCF, Web API, HTML5, SQL Server, TFS, WinForms.**

**RESPONSIBILITIES:**

* Performed design and documentation for architecture, and framework for the solution.
* Created DFD using VISIO.
* Gathered the requirement along with the business, SME from the product owner.
* Created the application using C#.NET 4.0.
* Created new screen layout for this Project
* Developed classes in Controller, Data Access, Business Logic and model layers.
* Developed complex database queries, stored procedures, triggers using SQL.
* Involved in working on Classic ASP applications.
* Performed peer code reviews for other developers.
* Developed and implemented appropriate exception handlers.
* Prepared technical specification documentation and used Windows SharePoint Services to share information and documents across the team and departments.
* Implemented version control using Team Foundation Server.
* Involved in unit, functional, system integrated, user acceptance and security testing.

**PROJECT: Report Migration**

**Duration: December 2012 – April 2013**

**DESCRIPTION:**

CBSI area had several reports for providing detailed summary to business users. These reports were created by SSRS 2005 and those reports were migrated to SSRS 2008. Along with report migration, obsolete reports were identified and retired, new stored procedures are created with performance tuning to increase the report turnaround time

**Technology Involved: SSRS 2008, SQL Server 2008**

**RESPONSIBILITIES:**

* Developed new reports using SSRS 2008
* Created stored procedures using SQL Server 2008
* Performance tuning of stored procedures using SQL Server 2008.
* Deployment of the reports in QA for testing
* Production implementation of the reports.
* Prepared and contributed toward the preparation of Project documentation.
* Completed estimates of effort and duration for development tasks and activities.

**PROJECT: Emerald/Forefield Billing Process & Data Privacy**

**Duration: July 2012 – December 2012**

**DESCRIPTION:**

The Emerald Utility program creates a daily user upload file for Marketing Library and a daily user upload file for Forefield. In addition, the program creates a monthly billing detail file and billing trigger file. These files are processed by the FIN Event Translator and indicate that one or more billing “events” have occurred. The billing event is the monthly service fee that is charged to each advisor and coordinator for having access to the Marketing source group of programs (Forefield, Marketing Library, and Newkirk). The FIN Event Translator receives these “events” and creates the appropriate accounting entries for them in the general ledger.

Data privacy Project involves identify and masking the SSN stored in the Navigator systems DB. The change involved in updating the load process to use the masking web service to encrypt the SSN stored in data base and decrypts it back when pulling it to external systems and reports.

**Technology Involved:** **.NET Framework 4.0, VB.NET, SQL Server 2008, Executables**

**RESPONSIBILITIES:**

* Involved in requirement analysis and application design sessions with business analysts and team members to outline the proposed IT solution.
* Developed the executable in VB.Net
* Used Visio for creating the system integration diagrams
* Developed several flows including contributions, as part of this Project.
* Performed demos on the application to the business
* Performed unit testing and submitted unit testing documents.
* Created the DB design to carry out the conversion process.
* Developed/updated SSIS packages to use the masking web service to encrypt/decrypt SSN.
* Created DFD for the Navigator systems.
* Created the database and wrote stored procedures using SQL Server 2008.
* Documented code for some of the modules and provided technical support.
* Involved in documenting the user support manual.
* Created and deployed EXEs to carry out the monthly billing process.

**Wipro Technologies, Chennai, India**

**Software Engineer Nov 2009 - June 2011**

**CLIENT: CUNA Mutual Group**

**PROJECT: SSIS Upgrade**

**DURATION: August 2011 – December 2011**

**DESCRIPTION:**

This Project involves in upgrading the SSIS packages from VS 2005 to VS2008 and use the new corporate email service instead of the email task used in all the packages.

**Technology Involved:** **Visual Studio 2008, VB.NET, .NET 3.0, SSIS, SQL Server 2008 and JobTrac**

**RESPONSIBILITIES:**

* Upgraded and fixed the issues in SSIS packages to VS2008.
* Created new licensing components and consumed the corporate web service.
* Replaced the email task with new VB.NET script component for email
* Involved in unit test using the JobTrac

**CLIENT: Zurich North America**

**PROJECT: ZNA-Rate Tracker and ZNA-RAD Reports**

**DURATION: September 2010 – June 2011**

**DESCRIPTION:**

 CM Rate Tracker Is used by the Underwriters inside Zurich in processing an Insurance Quote to identify the risk involved in the Quote. Underwriters analyze the risk based upon the input given by the customers and decide whether to provide the Insurance or Reject it or any further changes made to the premium. It uses Arrowhead web service which accepts the XML file as input and calculates Worker Compensation (WC) target price by using the predictive modeling web service that will be used by the underwriters to fix the premium for WC.

**Technology Involved:** **Visual Studio 2008, ASP.NET, C#, .NET 3.0, SSIS, SQL Server,**

**RESPONSIBILITIES:**

* Participated in the development of a Web Portal and Web Services using ASP.NET C#.
* Utilized C# to program Business Logic including code-behind files and classes in the middle tier.
* Developed different workflows in the application as per the business requirement for a different set of parameters.
* Developed SSIS ETL component for loading and processing the data from the excel format to the database tables.
* Created DML and DDL statements for creating and populating the database tables in SQL Server 2012.
* Created stored procedures in SQL to be used by the SSIS.
* Unit tested the application after completing every module of the application.
* Participated in UAT testing to ensure the application worked as intended.
* Prepared High-Level Design/Technical Requirement from the business requirements.
* Timely communication to the client about existing bugs and cleared it in the new application.
* Designed the database tables and wrote updates using T-SQL.
* Developed SSRS reports and integrated them with the web app.
* Tested and deployed the application after completing every module of the application.
* Participated in UAT testing to ensure the application worked as intended.
* Worked with different teams to get the work done, as well as to successfully execute daily tasks.
* Provided test support and successful production release.

**CLIENT: Progressive Insurance**

**PROJECT: SBRNET MIGRATION**

**DURATION: November 2009 – September 2010**

**DESCRIPTION:**

The gist of the Project is to migrate the application from ASP, C++ to ASP.NET, C#.NET. The application exchanges data with the server in the forms of packet hence making it leak proof. The Project had two main applications that one is dedicated to Agents and one is for Customers of Progressive, where these two applications are common for all the Products and states. The relationship between the data and the fields in different pages are maintained through XML Rule files. It uses the MVP Architecture and the framework developed by the Progressive team SBR Framework, which works on top of the traditional .NET Framework. The Project exposes the data as packets to develop the UI Part.

**Technology Involved:** **.NET Framework 3.5, Visual Studio .NET 2008, IIS 7.0, C#.NET 3.5, ASP.NET 3.5, ADO.NET, HTML, CSS, AJAX, COM+, JavaScript, Web Services, XML**

**RESPONSIBILITIES:**

* Performed design and documentation for architecture, and framework for a solution.
* Studied Legacy application and came up with the analyzed report to develop new application.
* Developed complex database queries using SQL.
* Developed classes in Data Access, Business Logic and model layers in C#.
* Performed peer code reviews for other developers.
* Developed and implemented appropriate exception handlers in C#.NET.
* Prepared technical specification documentation and used Windows SharePoint Services to share information and documents across the team and departments.
* Limited System Testing and Full System Testing.
* Daily status update to client on LST & FST.
* Defect Analysis, Bug Fix and Warranty support.

**Employer: Mahindra Satyam, Chennai, India**

**Software Engineer Jan 2008 - Oct 2009**

**CLIENT: PPG Industries**

**PROJECT:COPIS**

**DESCRIPTION:**

Central Order Processing and Invoicing System deals with the Order, Pricing and invoicing of PPG flat Glass unit. This application which is of 30 years old is a conversion Project from mainframe to Dot net. Project had two teams one who are doing analysis of the existing mainframe application and give the functional points to develop the .NET application.

**Technology Involved:** **Framework 2.0, Visual Studio 2005, ASP.NET, ADO.NET, C#.NET, JavaScript, Web services and SQL Server 2005**

**RESPONSIBILITIES:**

* Involved in creating tables and queries in order to migrate the database to SQL Server.
* Worked in user interface and assisted in developing the pages.
* Use case development for the change request.
* Functional testing.
* Involved in application integration.

**CLIENT: Xmart Retail**

**PROJECT: Xmart Retail Vendor and Product Selection**

**DESCRIPTION:**

The web application provides options to enter the new vendors who served their product to Xmart

retail and also allows the admin to enter the product details and the corresponding supplier detail. It provides the Order to goes out of the company to get the needful things in order to continue the production. Finally, product and the suppliers are mapped to give a better view. This module is an important one in the entire Project which serves as a link between the production department and purchasing department to meet the productivity.

**Technology Involved:** **Framework 2.0, Visual Studio 2005, ASP.NET, ADO.NET, C#.NET, JavaScript and SQL Server 2005**

**RESPONSIBILITIES:**

* High Level/Low Level Design Documents preparation from the business requirement.
* Involved in writing Test cases and from the design documents.
* Prepared Use cases, class, sequence, and data flow diagrams.
* Involved in application integration.