**DIPEN PATEL**

**Summary:**

* Over **7** **year**s of total IT experience with thorough understanding of software development lifecycle.
* **6+ years** of experience in installation, configuring, Design, Development and Monitoring **BizTalk server.**
* Strong Experience of **SDLC(Agile, RUP, Iterative ,SCRUM)** including **SRS, Design & Analysis,** **Development, Implementation, Build, Deployment, Version Controlling, Testing & Post implementation**  and **UAT** issues support, migration and conversion of existed project.
* **Expert in EDI Transaction, EAI tools** including **BizTalk** including their add-on frameworks like **BizTalk ADAPTER SDKs, WCF, WPF, EDI, BizTalk Design Patterns, BizTalk Rules Engine, and BizTalk Orchestration Engine**.
* Worked on **SOA (Service Oriented Architecture)** and **ESB (Enterprise Server Bus**).
* Demonstrated results-oriented approach on all the projects using SDLC under a well-defined process, and delivered all the projects with the great quality, and met all target goals and objectives.
* Extensive experience in **BizTalk Server 2013R2/2013/2010/2009/2006 R2.**
* Worked with **EDI** transactions like **850,810,856, 270, 271, 276, 277, 835 and 837I/P/D.**
* Experience in **migration** of applications from **BizTalk Server 2009** to **2010 to 2013R2 and BizTalk 2006R2** to **BizTalk 2009**.
* Experience using **XML** related technologies including **XML, XSD, XSLT,** and **XPATH.**
* Developed BizTalk Server artifacts such as **Orchestrations**, **Maps**, **Schemas**, **Adapters**, **Ports**, **Pipelines** and using **Custom script functoids in maps using C# and XSLT.**
* Created **Custom Pipeline Components** on receiving and sending side of BizTalk ports to communicate different legacy system or even with cloud computing like online CRM and Salesforce.
* Knowledge of EDI transactions and different formats like EDIFACT, XCBL, PIDX, etc.
* Experience in publishing **Schemas** and **Orchestrations** as **WCF service**, and consuming **WCF** and **Web Services.**
* Good Knowledge and experiences of advanced subject in **WCF web services.**
* Strong Database Design**,** Development experience with **Microsoft SQL Server** 2000/2005/2008**,** SQL Server Reporting Services **(SSRS),** Integration Services **(SSIS).**
* Knowledge of EDI transactions and different formats like EDIFACT, XCBL, PIDX, etc.
* Expertise in **RDBMS** including **MS SQL Server 2010/2008, Oracle** **MS Access.**
* Developed, Configured and Deployed variety of applications including BizTalk Server, Web Services, WCF.
* A good team player with ability to lead a team by example and motivate them to achieve desired objectives.
* BizTalk on call Production support and administration experience plus coordinate with offshore team.

**Technical Skills:**

**Databases: MS SQL Server 2012/2010/2008R2/2008/2005/2000/7.0, Oracle, MYSQL, MS Office Access 97/2000/2003.**

**Languages: BizTalk Server (2010, 2009, 2006 R2, 2006, 2004)**, **ASP.Net, Web Services, WCF**, ADO.Net, MSMQ,.Net Frame Work 1.1, 2.0, 3.0 & 3.5, **C#,** [**VB.NET**](http://vb.net/)**,** [**ASP.NET**](http://asp.net/)**,** ASP 3.0 / 2.0, COM/DCOM, MTS, HTML, DHTML, XML, XSL, XSLT, CSS, VB Script, JavaScript, ODBC, Active X, [ADO.NET/ADO](http://ado.net/ADO) and SOAP (1.2/1.1).

**BizTalk Tools:** Orchestration Designer, Schema Designer, BizTalk Mapper, Pipeline Designer, Enterprise, Service Bus (ESB), Business Activity Monitoring (BAM), Business Rule Engine (BRE).

**Technologies:** Visual Basic 6.0 / 5.0 / 4.0, Developer 2000, FrontPage Express 2000 / 98 / 97, **VisualStudio.NET 2005/2003** , Visual Interdev 6.5 / 6.0 and MS Visio.

**Tools: Active X, IIS, Visual Studio 2003/2005, VSS, Visio 2003, Office Visio 2007, SharePoint Designer 2007, SSIS, SSRS.**

**Operating System: Windows 2000, Windows Server 2003/2008/2008R2, Windows 95/98/XP/Vista/7.**

**Data Formats: SOAP**, ANSI ASC X12, AS2, **EDI**FACT, XML, ROSETTANET 3.0/3.3, **IDOC, FLATFILES,**  ALE (IDocs).

**Education:**

* BS, SP University, India.

**Professional Experience:**

**Client: Wells Fargo, NC-27103**

**Date: July'15 to Present**

**Sr. BizTalk Consultant**

**Project Highlight and Business Scenario:**

Development Project Creation of an application uses the online CRM 2016 and CRM 2015 system as their solution for tracking customers through the sales pipeline. Every time a sales opportunity is created in the Online CRM system, business wants its on-premise BizTalk Server system using provided new BizTalk adapter functionality, to be notified so that other down-stream systems can pick up that data and start other relevant processes. Business plans to implement this solution using the new adapters available with BizTalk Server 2013R2 and also by including some components of Microsoft Azure.

* A sales representative creates an “opportunity” in the CRM system.
* When the status of the opportunity is set to “Closed Won”, a notification is sent to a relay endpoint hosted on Microsoft Azure.
* Using the new WCF-BasicHttpRelay adapter, the notification information is passed on to BizTalk Server system housed on-premise.
* Using the information received as part of the notification, BizTalk Server invokes a REST endpoint in CRM, and WCF-WebHttp adapter, to get more information about the opportunity.
* Finally, BizTalk Server uses the information received from CRM to create a purchase order entry in an in-house SQL Server database table.

**Responsibilities:**

* Deploy the code to the production/BCP/UAT/SIT and DEV environments using Anthill deployment. (Wells Fargo Internal tool for application deployment)
* Using PAC2000 tool for creating and accepting work request from BizTalk deployment as well as handling/creating PROD-BCP work order and get approval before 48 HRS for any PROD-BCP changes.
* Use MSI binding’s files for manual deployment and developed scripts to deploy code to multiple servers at the same time using help of BTDF.
* Continuously monitor the production environment using various tools like

PS script to auto-healing BizTalk artifacts (24\*7) and BizTalk Health Monitor (BHM) to find environment inconsistence with SQL DB.

* Using BHM (AKA BizTalk health monitoring tool 4.1) solving problem and fix issue with BizTalk SQL agent job particularly Backup BizTalk server(BizTalkMgmtDB) job failed due to Orphaned DTA service Instances in BizTalkDTA database.
* PowerShell script running all day long every 15 minutes for PROD environment and 30 minutes for non-PROD through task scheduler to monitoring BizTalk health and all artifacts.
* Implement latest BizTalk 2013R2 hotfix CU5 for PROD and non-PROD BizTalk environment for better performance and fixed issue with ESSO memory leakage with the help of KB3062831 available on MSDN that’s enhance good performance for IIS and other web service interact with BizTalk.
* Designed and developed Domain user group and accounts in order to use multi-computer environment and providing highly Available BizTalk Server Environment for BizTalk Hosts and configure multiple instances of a particular host running on different server to use scale out scenario for slow running or having BizTalk throttling issue.
* Failover clustering provides high availability for the BizTalk Server in-process hosts, the Enterprise Single Sign-On Master Secret Server and BizTalk Server databases.
* Configure adapter and creating receive and send handler using PowerShell script.
* Developed PowerShell script to turn off tracking for all application in PROD-BCP environment that’s help on improvement BizTalk performance.
* Developed PowerShell script to delete suspended service instance depending on creation time and configure through task scheduler.
* Maintain IIS and client certificate using remote PowerShell.
* Actively involved in Microsoft BizTalk Server 2013R2 Installation and configuration.
* Actively involved in BizTalk Administration in Host management (Host and Host Instance), Adapters configuration, load balancing, Ports (Send and Receive), HAT, Custom Pipelines.
* Design and develop Document, flat file and envelop schemas based on the requirements.
* Update the policies, rules and orchestrations in production environment as per the requirement.
* Deploy BizTalk policies and bindings to the production servers and binding them with orchestrations
* Work on Dynamic ports for sending messages to different clients.
* Evaluate the suspend transactions, analyze them to find the root cause and add exception handler to avoid further suspends.
* Work with BAM views to store Business Activity Monitoring.
* Use .NET web services to communicate data between application and external business partners.
* Work on Business Rule Engine (BRE) to update existing rules and create validation rules and call rules from BizTalk Orchestration.
* Work on several SOL queries to sort the error transactions in the database.
* Responsible for deployment of business components which are used in both BizTalk and Web Application in Global Assembly Cache (GAC).
* Hands on experience in troubleshooting build and deployment issues.
* Developed how manually Reconfigure User and Group Security Settings without Deleting Databases.
* Active blogger on stack over flow (user:6766331) to get latest update on BizTalk and share knowledge to BizTalk community to help other.

**Client: Ford, MI**

**Date: Aug'13 - July'15**

**Sr. BizTalk Consultant**

**Development** Project Creation of an application to transfer File to Transportation and Database by acquiring the information from webservice. Processing the Information obtained though webservice stored in the Database and transforming the File in to the required format Flat File, EDI coordination and EDI production support to my client base. Complete analysis and development of the required application and converting into the XML format to deliver the given File. ANSI Transactions sets include 850, 810, 852, and 856.

**Responsibilities:**

* Analyzing the integration part from the source to the destination.
* Involving in High level design and documentation.
* Performing Installations on BizTalk **2013/2010**, **Visual Studio 2012/2010** **and SQL Server 2012/2008** and also configured **BizTalk 2010, FTP Adapter and WCF-HTTP Adapter**.
* Developing **Messaging** and **Orchestration Itinerary services** to route the incoming xml messages.
* Using String, Database, Looping, Advanced Mathematical and Logical Functoids in mapping documents.
* Working with Enterprise Architects and Solution Architects to clearly understand the Flow of the Process.
* Developing the Documents for each interface.
* Designing the Technical Design Document which helps to give the overall idea of BizTalk development.
* Developing all the applications in **BizTalk Server** on Virtual PC.
* Using **BizTalk Adapter** Pack V2.0 to interact with the SQL Server 2012 Database server.
* Using dot net code **C#** to incorporate the business logic.
* Using xsd2code functionality to generate the Class files from the XSD files.
* Using Custom XSL mapping to improve the business logic.
* Using **WCF- HTTP Adapter** to integrate with SQL Server providing the data in webservice.
* File formats/standards used are EDIFACTS, ANSI, TRADACOMS and SAP - IDOCs.
* Transactions used EDI 850, 856, 810, 812, 824, 852, 855, 860, 862, and 832.
* Deployed all the applications in different Staging Servers.

Environment: **BizTalk Server 2013**, XML, MS Visio, Windows 2008 Server R2, WIN 2003, and C#, XSD2CODE,SQL Server 2012/2008

**Client: Payspan Inc, FL Mar’12 - Jul'13**

**Sr. BizTalk Consultant**

**EDI/HIPPA** Project implementation of HIPAA standards for health care transactions, 835 using the BizTalk and SQL database and MQ series. Assurant is getting the data from EDI providers and on-line providers (XML). Recently I’ve been working with a client implementing an ESB on BizTalk Server 2010 naturally using the ESB Toolkit 2.1.  Along with a number of regular VETRO type interfaces that lend themselves to itinerary processing the client has a need to route a few large files around. Well basically because all routing rules for all files are stored in UDDI and managed via an extended ESB Toolkit Portal.

**Responsibilities:**

* Analyzed the integration part from the source to the destination.
* Involved in High level design and documentation.
* Performed Installations on BizTalk **2010**, **ESB Toolkit 2.1, Visual Studio 2010** **and SQL Server 2008** and also configured **BizTalk 2010, ESB Toolkit 2.1, BizTalk Adapter Pack and WCF-LOB Adapter**.
* Configured **Load balanced** **BAM Portal** and **ESB Portal**.
* Upgraded BizTalk 2006 R2 environment by migrating BizTalk 2006 R2 entities to BizTalk 2010.
* Developed **Messaging** and **Orchestration Itinerary services** to route the incoming xml messages.
* Architect for a HIPAA 4010 to 5010 conversion for 835 transitions
* Used String, Database, Looping, Advanced Mathematical and Logical Functoids in Mapping EDI documents.
* Worked with Enterprise Architects and Solution Architects to clearly understand the Flow of the Process.
* Developed the Documents for each interface.
* Designed the Technical Design Document which helps to give the overall idea of BizTalk development.
* Developed all the applications in **BizTalk Server** on Virtual PC.
* Used **BizTalk Adapter** Pack V2.0 to interact with the Oracle 11g Database server.
* Used dot net code **C#** to incorporate the business logic.
* Used xsd2code functionality to generate the Class files from the XSD files.
* Used Custom XSL mapping to improve the business logic.
* Used **Tibco EMS** to connect to the EMS Queue.
* Using **WCF- Oracle Adapter** to integrate with Oracle database server.
* Installed and configured the BizTalk Adapter Pack V2.0 on the Development and Test Environments.
* Used SMTP adapter to notify users through Email.
* Deployed all the applications in different Staging Servers.
* Maintained all the Interfaces in BizTalk in UAT and Production for monitoring.

Environment: **BizTalk Server 2010/2006 R2**, XML, MS Visio, Oracle, Windows 2008 Server R2,Tibco, WIN 2003, and C#, VS.Net 2005 , XSD2CODE, TFS 2005, Oracle 10g/11g.

**Client: GreenTree Financials, Minneapolis Jan’2011 – Mar’2012**

**BizTalk Consultant**

**Project Scope:** The system is a full service Internet-based Trading based firm. The system allows representatives to trade online. The key features of this system were: Users can open new account online to trade equities, bonds, derivatives and forex with the Trading system using DTCC’s application as a Clearing House agent. The user will get real-time streaming quotes for the currency pairs they selected, summary of work orders, payments and current money balances, P & L Accounts and available trading power, all continuously updating in real time via live quotes. The site also facilitates users to Place, Change and Cancel an Entry Order, Placing a Market Order, Place/Modify/Delete/Close a Stop Loss Limit on an Open Position.

**BizTalk Server interacts** with Microsoft Dynamics Application to read the information from the first stage and send it to the INFORM web application which is the second stage. The INFORM application interacts with **BizTalk** to route the messages to First Rate Java Application. INFORM also interacts with CMI application to complete the process.

**Responsibilities:**

* Analyzed the Applications which need to be integrated.
* Worked with Enterprise Architects and Solution Architects to clearly understand the Flow of the Process.
* Developed the Documents for each interface.
* Designed the Technical Design Document which helps to give the overall idea of **BizTalk development.**
* Developed all the applications in **BizTalk Server** on Virtual PC.
* Experienced in develop **BizTalk orchestrations**., worked on **XML** and **XSD,** Used Flat file, Using Functoids to Create More Complex Mappings, Schemas, **BizTalk adapters** and Custom Pipeline.
* Customized Exception handling with ESB 2.0 FAULT messages
* Used Microsoft CRM adapter to interact with CRM database.
* Used SOAP adapter to interact with Web Applications.
* Used HTTP adapter to interact with Java Application.
* Used SQL adapter to Interact with the SQL Server 2008.
* Created Jobs using **SSIS.** Generated reports from **SSRS** (SQL server reporting services) and **SSAS.** Expertise in **SQL server Reporting Services(SSRS)**
* Used SharePoint Adapter to read the documents from SharePoint Site.
* Set of strategies for administering [storage](http://en.wikipedia.org/wiki/Computer_data_storage) [systems](http://en.wikipedia.org/wiki/Systems) on [computing](http://en.wikipedia.org/wiki/Computing) devices using **ILM.**
* Used SMTP adapter to notify users through Email.
* Deployed all the applications in different Staging Servers.
* Maintained all the Interfaces in **BizTalk** in UAT and Production for monitoring.

**Environment:** BizTalk 2006 R2, Web Services, Web Services Enhancement 2.0, XML, XSLT, SQL Adapter, CRM adapter, SMTP, SharePoint, SOAP, Visual Studio 2005 , VS 2005, Dot Net Framework 1.1,2.0,3.0,3.5, SQL Server 2000, SQL Server 2005, SSIS, SSRS, SSAS.

**Client: Saturn Electronics Corp, MI June 2008 – Dec’2010**

**Biztalk Consultant**

This project is to implement the SOA architecture using BizTalk server 2006 R2 and ESB Toolkit 2.0 to integrate the internal applications as well as external partners. BizTalk will receive all Xml requests using a Generic Service and route the messages to several end points using the Itineraries and Business Rule Engine (BRE). This project also involved development of custom service to get the data from ESB, validate the data using Business Rules and save the data

**Responsibilities:**

* Act as the **BizTalk Developer** and be the single point of contact for deployments of new projects and upgrade of existing projects.
* Review current **BizTalk Environment performance** and **Configuration** and make recommendations
* Worked on installation of Dev Environment and re-configuration of existing QA, UAT and Production servers.
* Installed and configured the **BizTalk ESB Toolkit 2.0** components, Monitor exceptions in the web-based ESB Management Console and Create complex itineraries.
* Managed and lead a team of EDI developers and QA analysts
* Developed Custom **C#.Net Components** for **BizTalk Applications**.
* Designed and created BAM reports using TPE and BAM APIs and generated Reports in **BAM Portal.**
* Responsible for **SOAP exceptions** and General exceptions.
* Responsible for developing the orchestrations including CorrelationandRetry Mechanism**.**
* Responsible for generating **Canonical** Schemas.
* Worked on Common product list, receiving data from SharePoint updating common product table using SharePoint view and GUID.
* Responsible for developing complex **maps** for vendor integration.
* Used **Health and Tracking Tool** for the suspended messages and pulling the incoming XML based on the needs.
* Used **BizTalk Administration Console** for monitoring the message flows.
* Responsible for defining the **business rules** using **Business Rule Engine.**
* **Generated Services in BizTalk generating schemas and binding file.**
* **Hands on experience in generate an XSLT file from an existing map created using the BizTalk Mapper.**
* Extensively utilized .**NET C# to develop custom: assemblies, functoids, pipelines, pipeline components, and adapters**.
* BizTalk Server 2006 clustered server environments.
* Configured **BizTalk Server Backup SQL Jobs.**
* Hands on experience in linear troubleshooting ability, working with a ticketing system and people who are not familiar with the difference between BizTalk Server and other errors.
* **Did troubleshooting BizTalk Server error messages.**
* Performed routine maintenance (security patches) and updated Cumulative updates in Biztalk server.
* Monitored **BizTalk operations** using **SCOM 2007**.

**Environment**: Microsoft Widows 2008 server, Visual Studio 2008, SQL Server 2008, BizTalk 2006 R2, WCF, MQ Series, SOAP, SMTP, File, DB2, Share point 2007, WAS .Net, MOSS2007, Oracle DB Adapter, SAP Adapter, Siebel, Microsoft Dynamics 4.0, BizUnit, SoapUI, ESB 2.0, MicroSoft CRM Dynamics 4.0, Site Scope, Tivoli, SCOM 2007.

**Client: Nirma Chemicals Ltd. Bhavnagar, India Feb’2007 – May 2008**

**.Net Developer**

**Nirma** is a group of companies based in the city of [Ahmedabad](https://en.wikipedia.org/wiki/Ahmedabad) in western [India](https://en.wikipedia.org/wiki/India) that manufactures products ranging from cosmetics, soaps, detergents, salt, soda ash, LAB and Injectable.

**Responsibilities:**

* Wrote different **classes**, **modules**, **web-forms in ASP.NET using C#** as a code behind language and then included one common namespace. Created assemblies in C# that wrapped the business logic.
* **Used Dataset, Data Reader and Data Adapter classes of ADO.NET** to communicate with the SQL Server 2000. Involved in creating stored Procedures that were used by the assemblies.
* Assemblies created also used existing **COM and COM+ components**.
* Designed web user controls and custom controls in order to provide the consistent user interface.
* To give HTML documents an attractive and consistent appearance, used Cascading style sheets (**CSS**) and also applied **XSL** Transformations. Used **XPath** for the transformations.
* Configured the **web.config** file to enhance performance of the application.
* Implemented Client Side validation using JavaScript as well as a set of validation server controls.
* Implemented the concept of web services and **DHTML** behavior, which enables us to call a remote method in client-side script to update small data changes to a page without requiring full page refresh.
* Created **test cases for Unit tests**, **security tests**, **load and stress tests** and **database tests**.
* Tested and submitted test results for approval.
* Assisted in deploying web pages on server.

**Environment:** Windows XP, Microsoft Visual Studio 2003, HTML, DHTML, Java Script, C#.NET, ADO.NET, SQL Server 2003.