**Vikramjit Singh**

**Enterprise Architect – SOA / BPM / Cloud Architecture**

**TIBCO Certified Architect**



**Profile**

* Seasoned Enterprise architect with more than 13 years of IT experience.
* 11 years of EAI/BPM/SOA and Cloud professional services experience working for leading business process management software vendors using TIBCO Active Matrix Service Grid, TIBCO Active Matrix BPM.
* 2 years of Analytics professional services experience working on TIBCO Spotfire.
* Expertise in Cloud solutions using SOAP/REST AP’s, JAX-WS, JSON and deploying SaaS applications.
* Good Experience in Cloud Security using SAML, SSL.
* TIBCO Certified Architect, TIBCO Certified SOA Architect & TIBCO Certified Professional (BW).
* Architecture advisor for using BPM & EAI products for service oriented (SOA) implementations.
* Expertise in Web solutions using JSP, Servlets, EJB.
* Experience in complex event processing and distributed in-memory caching systems using TIBCO Business Events.
* Expeertise in Agile/Scrum methodologies, Waterfall and Elliptical SDLC.
* Experience with Ant, Git, JUnit.
* Good knowledge of Application Servers: Tomcat, Weblogic, Jetty, JBoss and Web Servers: Apache.
* Implementation experience with banking and financial service, retail, logistics.

**Education**

* Post Graduate Diploma in Management, Aug 2004.
* Post Graduate Diploma in Information Technology, Oct 2000
* Bachelor of Engineering, Apr 2000

**certifications and technical training**

* TIBCO Certified Architect
* TIBCO Certified SOA Architect
* TIBCO Certified Professional for BusinessWorks 5.X
* SUN Certified Java Professional

Attended the following training courses:

* TIBCO BusinessEvents
* TIBCO Cloud Bus
* TIBCO Active Spaces
* TIBCO Spotfire

**Professional Experience**

**tibco software inc (aug’07 – till date)**

**Role**: **Enterprise SOA/BPM Architect**

**Client:** Rich Products **Duration:** July, 2013 – till date

**Project Name:** Enterprise Service Bus **Role:** Enterprise SOA Architect

**Summary:**

Rich Products intends to revamp its current point to point architecture with service oriented architecture to provide real time data to its sales personnel thus enabling them to have better information on the products. In the future Customer needs to deliver new services to its business and customers in order to remain competitive. This requires an agile and flexible IT architecture, where individual business components and services can be updated and deployed in shorter time frames.

To help achieve the SOA vision, the following systems were planned to be integrated via TIBCO: Microsoft CRM, Microsoft Dynamics AX, Microsoft SharePoint, SAP PLM, and Oracle ODI.

**Key Responsibilities:**

* Work with the CIO and the VP to deliver an Enterprise SOA Strategy and help set up SOA Center of Excellence.
* Engage in customer meetings and elicit requirements
* Deliver Solution Architecture
* Design integration solution for Microsoft CRM, Microsoft Dynamics, SAP PLM, and Oracle IDS.
* Come up with Project Plan and resource requirements
* Lead the team to successful Go Live of Project

**Environment:** TIBCO BusinessWorks 5.11,TIBCO SAP Adapter 6.2, TIBCO EMS 6.x, TIBCO Database Adapter 6.2, Microsoft CRM, Microsoft SharePoint.

**Client:** Bank Of Montreal **Duration:** Nov, 2012 – Jun, 2013

**Project Name:** BPM Foundation Project and Business Reports **Role:** LeadBPMArchitect

**Summary:**

The BPM foundation project is intended to set an architecture framework for Bank of Montreal to use SOA and BPM.

The project is responsible for setting up a Center of Excellence, coming up with best practices for different verticals and educating the different vertical leads on the different SOA and BPM technologies/standards.

There are currently 2 flag ship projects under the foundation umbrella: Commercial Lending and Mortgage, which both use TIBCO AMX BPM 2.x.

Spotfire 4.5 was used to create reports from AMX BPM data. These reports would be used by the business and have the capability to drill down to know the details on the task performed.

**Key Responsibilities:**

* Help set up BPM and SOA Center of Excellence
* Engage in customer meetings and elicit requirements
* Deliver Solution Architecture
* Lead the team to successful Go Live of Mortgage Project
* Resolve customer issues and be a liaison between Engineering and the Customer

**Environment:** TIBCO BusinessWorks 5.11,TIBCO Active Matrix BPM 2.0, TIBCO EMS 6.x, TIBCO Spotfire 4.5

**Client:** Cablevision **Duration:** June, 2012 – Oct, 2012

**Project Name:** Optimum Voice Service Assurance **Role:** LeadSalesArchitect

**Summary:**

Optimum Voice Service Assurance is a service management and business intelligence system designed to reduce voluntary churn and is intended to quickly detect events and pattern of events, which lead to customer dissatisfaction and churn.

The proposed solution will help:

* Cablevision to rapidly respond to problems that can otherwise result in customer disconnects and service downgrades.
* Provide predictive, proactive remedies based on measured data.
* Provide tracking and communication of service issues and remedial actions.
* Apart from BE, also helping Cablevision evaluate AMX BPM and its features.
* The business reports should help in identifying customer churn patterns.

**Key Responsibilities:**

* Lead the Sales POC team
* Collaborate with the customer to set CEP standards and help him understand the benefits of the CEP platform.
* Coordinate effort between customer, sales and business
* Collate data for Spotfire Statistics
* Demo the progress and solution to the customer.

**Environment:** TIBCO Spotfire 4.5,TIBCO BusinessEvents 5.0.1, TIBCO EMS 6.x, TIBCO BusinessWorks 5.9

**Client:** Intrexon **Duration:** Jul, 2011 – May, 2012

**Project Name:** Ultra Vector Workbench **Role:** Enterprise Architect

**Summary:**

The core technology behind Intrexon is the Ultra Vector platform, which produces and optimizes thousands of complex gene systems. With the previous system Intrexon’s scientists used to capture requirements in spreadsheets, which were complex, tedious and error prone. The order management was in @Task, which was difficult to track and manage, disjoint process.

The proposed solution was to have:

* a scalable solution that will cater up to 1M DNA vectors/month,
* replace @Task
* Automate workflow with order capture routing of task and have order status visibility.
* Process optimization to reduce dependency on UVD Architects.
* Integrate with downstream systems.
* Reports that displayed BPM information along with downstream information was required by management.

To solve all the above points AMX BPM with Business Works was used. Spotfire was used to create the reports.

**Key Responsibilities:**

* Work with the CIO to understand the project requirements and the enterprise vision for SOA and BPM.
* Work on the project plan and ensure that the project is delivered within the set timelines
* Architect the BPM project and lead the project team to resolve development issues.
* Demo the solution to the CIO and Vice-Presidents.
* Design and present Spotfire reports for the Management team.

**Environment:** TIBCO ActiveMatrix BPM 1.2, BusinessWorks 5.9, Business Studio 3.5.x, TIBCO EMS 6.x., TIBCO Spotfire 4.5.

**Client:** Desjardins **Duration:** Sep, 2010 – Jun, 2011

**Project Name:** SOA and BPM COE Setup **Role:** Enterprise Architect

**Summary:**

BPMS Movement is a structuring project to develop a single BPMS solution for the Movement, thus helping support the company's strategic move to a management process. The purpose of the project was to perform a review of Desjardin’s proposed BPMS based architecture, identify risks and provide recommendations and best practices.

**Key Responsibilities**

* Responsible for setting up Enterprise SOA and BPM Architecture using TIBCO Suite.
* Provide feedback on the Deployment and Disaster Recovery Architecture.
* Help Desjardin team get acquainted with SOA and BPM best practices
* Help train Desjardins employees to set up a COE and communicate the status to the Steering committee.

**Environment:** TIBCO ActiveMatrix BPM 1.x, TIBCO ActiveMatrix Service Grid 3.x, TIBCO EMS 6.0, IBM Data Power

**Client:** GE Treasury **Duration:** Nov, 2008 – Aug, 2010

**Project Name:** Bank Account Administration System **Role:** Systems Architect / Project Manager

BAAS is GE Treasury’s core Bank Account Administration System being used across various treasury poles for opening and maintaining accounts for businesses into various banks across the globe. This system is undergoing major reengineering phase, the aim is to convert the system to

* Incorporate a workflow as a basic nature of the application thereby having SOX compliance model.
* Make the system responsive enough for the User to follow a logical approach towards building the account information with the predefined process.
* Provide proper management of critical data as the system is to act as a single source of truth for all account related information of GE businesses and make the system responsible for publishing data to other Treasury systems.
* Architect the system so it can easily adapt to changing business requirements

**Key Responsibilities**

* Responsible for System Architecture, Solution Architecture, Deployment and Disaster Recovery Architecture.
* Work on project plan and manage and lead a team of 10+ members to ensure that designers and developers build the system according to the architecture.
* Creating, refining, and implementing organizational design and development standards.
* Collaborate with architects and managers across GE, Treasury to develop and set best practices.

**Environment:** TIBCO BW 5.4, TIBCO iProcess 10.5, TIBCO Administrator 5.4, TRA 5.5, TIBCO GI, iProcess Decisions 4.0.

**Client:** Urban Outfitters **Duration:** Aug, 2007 – Oct, 2008

**Project Name:** Enterprise Service Bus (ESB) **Role:** Systems Architect

URBN intends to integrate Tradestone system with its ERP systems and with the partner applications, so URBN would like any information to pass via the ESB and the data to be exposed as services, enabling other applications, which adhere to the standards, to invoke the services. This vision requires an agile and flexible IT architecture, where individual business components and services can be updated and deployed in shorter time frames.

A significant part of the overall architecture is to consolidate the business logic into one tier, and to have well defined interfaces to reach this business logic across the enterprise. For Phase I, 18 interfaces will be developed that will integrate Tradestone system with the ERP systems and the vendor applications.

**Key Responsibilities**

* Responsible for System Architecture, Solution Architecture, Deployment and Disaster Recovery Architecture.
* Manage the project and lead TIBCO team to ensure that the proposed solution adheres to SOA architecture.
* Create, refine, and implement organizational architectural, design and development standards.
* Collaborate with architects and managers across URBN to develop and set best practices.
* Mentor URBANs team to manage and execute TIBCO SOA projects.

**Environment:** TIBCO BW 5.6.2, TIBCO EMS 5.0, TIBCO Administrator 5.6, TRA 5.6, TIBCO RTView, TIBCO BusinessConnect 5.2.0.

**hcl eai Servicses (Jan’05 – aug’07)**

**Role**: **Technical Lead**

**Client:** Merck **Duration:** Nov, 2006 – Aug 2007

**Project Name:** COMET **Role:** Technical Lead

**Summary:**

Merck, a pharmaceutical pioneer, has requirement for Business Process Management and faster processing of the documents. TIBCO IProcess and its suite of products such as TIBCO Business Studio, iProcess Decisions, is chosen as the BPM tool for modeling the procedures, testing of the procedures, creation of users/roles and check. And COMET was intended to provide a Single version of Truth within Merck.

**Key Responsibilities**

* Provide inputs for High Level Architecture and responsible for the Solution Architecture.
* Responsible for the High Level design of reusable components such as Cross Referencing, Audit & Error Handling, Monitoring.
* Lead and coordinate with my team of 10 members and responsible for the timely delivery of the documents.
* Provide BPM consultancy in tasks such as:
* Understand and assist in identifying the business use cases.
* Identify the workflow procedures and identify libraries
* Interact with client and TIBCO team for the design and analysis of any technical issues.
* Setting up the EAI processes and guidelines for COMET project.
* Participation in development and provide support to the Quality team.

**Environment:** TIBCO BW 5.3, TIBCO BC 5.1, TIBCO Administrator 5.3, TRA 5.5, Smart Mapper, File Adapter, ADB, TIBCO EMS, Oracle 9i, TIBCO iProcess 10.5

**Client:** UTi **Duration:** Jan, 2006 – Oct, 2006

**Project Name:** Integration Framework **Role:** Technical Lead

**Summary:**

Integration Framework intended to develop a reusable integration framework that will enable UTi vision to become a Global Integrated Logistics solution provider. The objective of the integration framework is to provide a much more flexible system with a common, canonical layout for incoming and outgoing messages. The aim of the framework was to have re-usable code that will reduce development time. In addition, the framework would provide improved visibility in the form of an end-to-end monitoring, proactive events management, notification and alerts. This will give the internal customers the opportunity to track and trace a message and the data therein, for its entire life cycle.

**Key Responsibilities**

* Interact and elicit business and workflow requirements.
* Responsible for design and delivery of the modules such as custom adapters, error handling.
* Redesign and performance tuning of existing TIBCO products.
* Production/Deployment support to UTi Admin team.

**Environment:** TIBCO BW 5.3, TIBCO BWC 5.3, TIBCO Administrator 5.3, TIBCO BC 5.0, TIBCO EMS, Oracle 9i, Blaze Advisor.

**Client:** OCWEN **Duration:** Jan, 2005 – Jan, 2006

**Project Name:** BPM and Data Replication **Role:** BPMTechnical Lead

**Summary:**

OCWEN had to migrate from the current Progress based Workflow System to TIBCO Collaborator and later to IProcess/iProcess. IProcess is eventually intended to replace the existing Progress system. The business users will model the procedure/workflows in Business Studio. Rules will be created in iProcess Decisions. The application modules being developed use Oracle as their backend. This will necessitate that all the data in the Progress based Servicing system is replicated onto the Oracle database.

**Key Responsibilities**

* Interact and elicit BPM and modeling requirements
* Assist the PSG Architect in the High Level and Deployment Architecture.
* Responsible for the Solution Architecture, High Level design of the Workflow Framework.
* Lead a team of 6 client team members and responsible for timely delivery of the Workflow Framework.
* Train the client and end user on usage of BPM Framework.

**Environment:** TIBCO Administrator 5.2, TIBCO BusinessWorks 5.2, TIBCO IProcess/iProcess, TIBCO Collaborator, Oracle ADB, Progress ADB, TIBCO EMS 4.2

**IBM Global Servicses (Jan’04 – dec’04)**

**Role**: **Application Programmer**

**Client:** Prudential **Duration:** Jan, 2004 – Dec 2004

**Project Name:** eClient **Role:** Module Lead

**Summary:**

The Sponsor site was being re-architected to revamp the existing application to a new one using Struts as the framework instead of JADE. The database is being migrated from Sybase to DB2. Scope of work was to design, develop and test the middleware components for Sponsor re architecture. Write build scripts for automatic deployment of the application. ANT and Cruise Control was used for the build.

**Key Responsibilities**

* Designing, coding and deployment of the application on WebSphere server.
* Daily and weekly status update to the client on the development of the module.
* Suggest any improvements in the current project or any process.
* Write build scripts, which lead to ease of deployment, for entire modules.

**Environment:** JDK 1.3, J2EE 1.3, WSAD 5.1, log4j, JADE, Struts, Struts Unit Test, ANT, Cruise Control.

**Mphass Bfl ltd. (Jan’03 – jan’04)**

**Role**: **Systems Engineer**

**Client:** FedEx EMEA **Duration:** Jan, 2003 – Jan 2004

**Project Name:** GENIUS – (GTS EMEA Network and Integrated User System) **Role:** Developer

**Summary:**

GENIUS was developed for FedEx-EMEA (Europe, Middle-East, and Asia). GENIUS purpose was to re-engineer and integrate the GTS EMEA clearance processes and systems into a seamless, paperless, standard and cost effective process, supported by an open integrated system. For replicating the manual tasks in the system, TIBCO InConcert was used.

**Key Responsibilities**

* Develop the modules in Business Works and the workflows in InConcert.
* Test the entire flow for the module i.e. getting the messages from the queue, massaging/manipulating the message and simultaneously publishing the data for further processing.
* Integrating TIBCO Business Works with TIBCO InConcert.
* Deployment and Unit Testing of the Modules

**Environment:** TIB-RV 7.x, TIB-InConcert 6.x, JDK 1.3/1.4, BW 2.x, Web Logic Sever 7.0, Oracle 9i, JBuilder 8.0.

**GTL ltd. (oct’00 – jan’03)**

**Role**: **Systems Engineer**

**Client:** NZGT – New Zealand Guardian Trust **Duration:** Jan, 2002 – Jan, 2003

**Project Name:** IPMS - Intermediary Prospect Management System **Role:** Developer

**Summary:**

IPMS was intended replace the existing functionality of the legacy applications of NZGT and was used to keep track of the prospects for NZGT and to keep track of mortgage and other domain specific requirements of NZGT.

**Key Responsibilities**

* Developing EJBs, JSP, Java in IBM WebSphere.
* Creating Low Level Design and unit testing the code
* Writing and executing test cases using JUnit.

**Environment:** JAVA 2.0, JSP, Java Beans, EJB, JavaScript, HTML, IBM WebSphere 3.5, Oracle 9i, IBM Visual Age for Java.

**Client:** TopsGrup **Duration:** Oct, 2000 – Dec, 2001

**Project Name:** Arjuna **Role:** Developer

**Summary:**

Arjuna is a web based solution that enables online access of information and reports are accessible anywhere. The intent of the project was to enable the Corporate to have a bird's eye view of Regions and the Branches.

**Key Responsibilities**

* Designing and developing Admin, Customer Connect and Marketing, Resource Allocation, Payroll System, EIS Reports.
* Creating Low Level Design and unit testing the code
* Deployment of the application and providing post deployment customer support.

**Environment:** Java 2, J2EE Architecture, Tag Libraries, HTML, JSP, Java Beans, Servlets, Java Mail, Java Script, Tomcat 3.2.1 Apache Web Server, Oracle 8i

**Personal Particulars**

* **Date of Birth**: 21st April 1979
* **Address**: 1005 Cheryl Drive Iselin NJ
* **Marital Status:** Married
* **Work Status:** Permanent Resident of USA (Green Card Holder)