**Sarathi Krishna**

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###### **Professional Summary:**

* **Having 13+ plus years of experience in Software Design, Development, and Integration, Implementation and Maintenance and support of Enterprise Application Integration suing TIBCO products.**
* Extensive Techno-Functional experience in **TIBCO technologies such as Business works, Business Events, Rendezvous, EMS, Hawk, Administrator and Adapters.**
* Extensive Knowledge in **TIBCO Business Events BE 3.0.X, 4.0.X**
* Proficient in configuring **TIBCO Siebel Adapter,** **TIBCO Active Data Base Adapter (ADB)**, **TIBCO SAP/R3 Adapter**, **TIBCO File Adapter**and **MQ Series Adapter**
* Extensive TIBCO Experience in Enterprise Environment and TIBCO Administrator Experience including Technical support, troubleshooting, monitoring of system usage.
* Experience in implementing **SOA**concepts by designing and developing **Web Services** using **WSDL, SOAP and Service** palettes using **SOAP/HTTP** and **SOAP/JMS** with TIBCO
* Experience in using messaging services like **EMS/JMS** and **TIBCO Rendezvous**
* Experienced in **Tibco EMS** and Creating queues, topics, bridges and routes
* Created and presented **TIBCO** Roadmap, Implementation methodology and the typical project lifecycle with clear action items for both IT and the business.
* Created Design documents and prepared integration and functional test plans in conjunction with business analyst.
* Articulated the architectural vision, gathered client requirements, conceptualized and proposed alternative Business Integration architectural approaches and validated the architecture against requirements
* Obtained buy-in from the client on proposed Business Integration solutions. Implemented Business Integration solution architecture, design, development and maintenance of Integration Solutions
* Designed and coded application components in an agile environment utilizing a test driven development approach.
* Good Domain knowledge of Banking, Insurance and Health Care applications.
* End to end project life cycle experience including gathering business requirements, analyzing the business processes, performing AS-IS Analysis, Identifying and analyzing the Gaps, Implementation, Designing, Configuration & Customization
* Experience in preparing Functional specification and Technical specification documents.
* Very good experience in **SQL, PL/SQL**
* Extensive knowledge in Full life cycle implementation of simple to complex **EAI** projects.
* Knowledge on Enterprise Architecture and Project Management.
* Significant experience with **ASAP/SDLC, SCRUM Methodology** requirements analysis, design, development, testing, documentation, user training and support.
* Out-standing skills in debugging and problem solving.
* Experience in creating/reviewing Requirement Specification & Design documents.
* Experience in directly working with business partners from Offshore.

###### **Tools and Techniques:**

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| --- | --- |
| EAI TOOLS | TIBCO Active Enterprise Suite (TIB/Rendezvous6.x,  TIB/Business Works 5.x,6,TIBCO BE 3.0.x, TIB/EMS,TIB/Hawk,Tibco Spotfire  TIB/Business works Collaborator, TIB/ Form builder,  TIB/Repository, TIB/Adapter for ADB, TIB/Adapter  For File, TIB/Administrator, TIB/Integration Manager.  Contivo Mapper and Legacy Integrator, Knowledge in TIBCO I process, TIBCO GI |
| LANGUAGES | **XML, XSD, XSLT and XPATH, Java, JDBC, servlets programming, JMS, JavaScript, Oracle, J2EE,** RTView. |
| DEVOPS & API TOOLS | Jenkins, postman,GIT, Ansible,Docker Salt, Puppet |
| DATABASES& TOOLS | Sql Server 2000/2005, DB2, Oracle, **Oracle 8i/9i/10g** |
| Operating Systems | Windows NT/XP/2000, UNIX, LINUX(Redhat) |

###### **Experience Summary:**

## CISCO, San Jose, CA Apr’**17 –** till date

## Sr TIBCO Developer Lead

**Responsibilities:**

* Key role in Requirement meetings to provide the accurate solution using Tibco Suite of products.
* Collecting business requirements, analyze business requirements, analyze business process flows, and analyze integration requirements related to business at high level and detail level.
* Review architectures of other projects which were using a combination of the **ESB and REST Web Services**
* Created and presented **TIBCO** Roadmap, Implementation methodology and the typical project lifecycle with clear action items for both IT and the business
* Created Design documents and prepared integration and functional test plans in conjunction with business analyst
* Articulated the architectural vision, gathered client requirements, conceptualized and proposed alternative Business Integration architectural approaches and validated the architecture against requirements.
* Created Design documents and prepared integration and functional test plans in conjunction with business analyst.
* Participated in High level conceptual architecture and design for **EAI** solution between 3rd parties and client
* Created **XML** files, web services which are being used to provide data to clients
* Work with application teams to determine changes that need to be included in the Trade book
* Designed and implemented Bridge(queue and topic) logics for error and logging mechanism
* Complete business design in **Tibco** Designer based all the business requirement and hands it over to other tibco developers for putting up the logics
* Assist other **Tibco** Developers in their development and deployments in various phases
* Explore and understand the need of **SOA, Web Services and assist** EAI development team to implement
* Leading the efforts of Unit testing, System testing, Performance Testing, **UAT** testing in various environments
* Prepare presentations of related designs and implementation of various phases of project
* Frequent interaction with User team for the resolution of problems and issues.
* Developed scheduler in Java using Quartz API which runs within the **JBOSS** application server as a generic servlet.
* Developed a Secure FTP program in java to transfer data from production environment to testing environment so that tests could be run using live data
* Developed 5 web services which allowed the customer to see the health of the Enterprise Service Bus and to allow the ESB to send and receive email.
* Provide requirements for Hawk Rulebase and tested the developed rulebases and custom micro agents
* Tuned Business Connect for improved performance and a greater degree of fault tolerance
* Integrated Native workflow application and HP PPM System using **TIBCO EMS, Business Works 5.4**, and Web Services in Portfolio Management System
* Worked extensively in **SCRUM** model

**Environment:**

### TIBCO TRA 5.4, TIBCO BusinessWorks 5.7, TIBCO EMS 4.3, TIBCO Administrator 5.4, Oracle 10g, Tibco Iprocess Decisions Studio 4, Business Studio 3.1.0, Tibco GI 3.9.1, Apache Tomcat 6.0

## HSBC, Chicago, IL **MAR’16 – Mar’17**

## Sr. Tibco Developer/Lead

**Responsibilities:**

* Architecture design, configuration, performance tuning, and testing of shared MQ infrastructure.
* Participated in analysis to integrate various systems with SOA and Web Services using SOAP over JMS/HTTP
* Architect/Design/Develop reusable services like logging mechanism.
* Involved in System analysis and created the Requirement Documents based on business requirements
* Developed the Technical Design Documents based on High Level Requirement Documents
* Key member of architecture team responsible for the file based integrations using Tibco Suite of Products
* Designed and developed the schemas to be used by various processes
* Designed and developed web services to receive the required messages and process it further.
* Configured Security of messages using Security Policies
* Worked on topics and Queues in TIBCO EMS Administration with different properties of Queues
* Designed and Developed Bridge/Selector Logics using TIBCO Enterprise Message Service 4.x to send various transactions like Premise, customer, service agreement, service point, account
* Designed and Developed process by using MQ Adapter to publish, request/reply messages from CC&amp;B system to Outage Management System (OMS).
* Designed and lead the development 22 web services using transports HTTP for entity layer and TIBCO Rendezvous as for the application specific interfaces (task layer).
* Generated various XML schemas as per the mapping involved in the process flows from the integration perspective
* Deployment of the Business processes by creating EAR files containing process and adapter archives using TIBCO administrator
* Co-ordination with Offshore in order to develop and handle the application
* Deployment and administration of the deployed services using TIBCO Administrator
* Worked extensively in **SCRUM** model

**Environment:**

**TIBCO TRA 5.4, TIBCO Business Works 5.6, TIBCO EMS 4.3, TIBCO Business Connect 5.3.0, TIBCO Administrator 5.3, Oracle 10g, HP UX 11i, TIBCO MQ Adapter**

**Allstate, Pune, India MAR 14 to FEB 16**

**Sr. Tibco Developers/Lead**

**Responsibilities:**

* Experience in using standard architectural frameworks, knowledge of security aspects for an ESB methodology.
* Imported various XSD/Schema documents to provide downstream processes with schema inputs.
* Created Rules in BE
* Created Pre Processer Rule function .
* Adding a CDD file for Cache Object and Building the EAR in Unix environment.
* Adding an HTTP channel and destination.
* Setting cache modes on individual entities for performance tuning.
* Created a Rich Event model, incorporating event channels (for different event mechanisms, such as different types of messaging software) and destinations (for different types of events).
* Created a detection mechanism using a sophisticated, high performance, declarative rule engine.
* Utilized Pattern matching features that enable you to, for example, specify and identify the temporal order of event arrivals, and to correlate events across different event streams.
* Setup the TIBCO Administration server on a standalone machine for Resource Management purposes and configure the hawk agents on machine running the TIBCO Applications
* Design and develop the infrastructure for the project. Create topics and Queues in TIBCO Admin.
* Deployment and administration of the deployed services using script-based deployment involving TIBCO Administrator.
* Investigated and analyzed issues reported in adapter integrations with TIBCO Business Works
* Suggested migration strategies to TIBCO End Users
* Tested and delivered patches/hotfixes prepared by TIBCO Engineering
* Designed and implemented a Logging and Error handling framework in place for logging, monitoring, auditing and error debugging using TIBCO Business Works 5.x as part of the consulting efforts of the team
* Quality assurance for TIBCO Adapter for Oracle Applications and performance tests on TIBCO Adapter for Active Database Adapter
* Performed Release Engineering tasks for application adapters and co-ordinated between various Tibco Infrastructure product team.
* Production Support for Tibco Adapters and co-ordinate with offshore team
* Unit testing, System testing, Performance Testing, UAT Testing in various environments.
* Configured Operations, Host, Partners, Business Agreements for various clients in Tibco Business Connect Admin  
  Deployment and administration of the deployed services using TIBCO Administrator
* UAT support and Production support to Business users and bug fixes whenever needed.
* Mentor System Analysts about Tibco suite of products.
* Communicating with the business users to get the requirements
* Worked creating Aggregations, calculated Fields, Table calculations, Totals, percentages using Key Performance Indicators (KPI) and Measures.

**Environment:**

## TIBCO TRA 5.4, TIBCO BusinessConnect 5.2.1, TIBCO Business Works 5.6, TIBCO BE 3.0.X,TIBCO EMS 4.3, TIBCO Administrator 5.3, Oracle 10g, HP UX 11i, Specbuilder 6.2

## UBS Bank, Bangalore, India **OCT’12 – FEB’14**

## TIBCO Developer

**Responsibilities:**

* Actively involved in requirements gathering, business analysis and technical design
* Designed and developed the Process Definitions using TIBCO BW to do the lookups from Smartmapper).
* Designed and developed the Process Definitions to create Web Page to present the information in seeable format with backend Oracle 10g.
* Worked on Queries Performance while fetching information from Oracle 10g database through Tibco BW.
* Designed and implemented a Logging and Error handling framework in place for logging, monitoring, auditing and error debugging using TIBCO Business Works 5.x.
* Done Script deployment of Tibco packages in Unix environment.
* Build archive file deployed the projects into various environments by using TIBCO Administrator.
* Designed and Developed Bridge Logics using TIBCO EMS to use messages for logging purpose.
* Supported for Hawk Monitoring tasks, Involved in creation of hawk rulebases.
* Used Tibco utilities like domain utility, AppManage, buildear
* Design the claim interfaces for HIPPA transaction - 837, 270/271, 997 using TIBCO suite of products. Create the 837 claim files in BW and validate the claim using XEngine v6.5. The interaction between XE and TIBCO BW is done through EMS and then forward the claim files to provider using Tibco BusinessConnect palette in BW.
* Setting up Load Balancing and Fault Tolerance for the BW Engines.
* Unit testing, System testing, Performance Testing, UAT Testing in various environments.
* Deployment and administration of the deployed services using TIBCO Administrator
* UAT support and Production support to Business users and bug fixes right away if required.
* Collaborated with internal stakeholders to drive efficiency and effectiveness of the metrics and reporting.
* Documented complete server architecture and solutions to troubleshoot performance, scheduling, and server related issues.
* Good Knowledge in Production support process and fixing issues based on SLA's
* Worked extensively in SCRUM model

**Environment:**

**TIBCO TRA 5.4, TIBCO BusinessWorks 5.3, TIBCO EMS 4.3, TIBCO Administrator 5.3, Oracle 10g, HP UX 11i, TIBCO SmartMapper 5.3, Tibco HL7 Simulator, HL7 Receiver**

## GE CapitalFleetService, Bangalore, India **JAN’11 – SEP’12**

## Sr Tibco Lead Developer

**Responsibilities:**

* Gathered user requirements, analyzed and designed software solution based on the requirements.
* Gathered requirements from business users and converted them into technical and functional requirements.
* Responsible for installation and configuration of Tibco products in the development and test environment.
* Designed various XML Schemas for various entities to support the Common Data Model.
* Created Queues and Topics as needed in EMS.
* Created the mapping documents for the interfaces identified.
* Created Web services for Framework services like GEH (Global Error Handling) and GAL (Global Audit Logger).
* Developed Business Processes to integrate various legacy systems using Tibco BW.
* Performed all the business workflow and published transformed data on the EMS and RVD using **Business Works**
* Created **WSDL**for **SOAP** services, **XPATH transformations** and **XSLT.**
* Designed batch processes to integrate two legacy applications using FTP.
* Designed and developed Business Processes to integrate legacy applications using Business Works.
* Performed load testing and performance analysis for Business Works engine.
* Designed and implemented Framework Architectures for cross-project enterprise initiatives such as - Exception Handling Framework & File Transfer Framework.
* Created **EAR Files** for the developed BW components and deployed them using Tibco **Administrator.**
* Participated in application **performance tuning**, system documentation, and technical support for production
* Authored a batch integration best practices document to provide a standardized approach of exception handling and retry mechanisms.
* Analyzed hardware sizing and scaling recommendations based on the results of Performance analysis.

**Environment:**

**TIBCO Business Works 5.6, TIBCO EMS 6.0, TIBCO File Adapter 5.4, TIBCO Active Database Adapter 5.4, RTview, TIBCO Administrator, TIBCO Rendezvous, XSD, TIBCO Turbo XML, SOAP**

**H&R Block., Bangalore, CA DEC’08 – DEC’10**

**Role: Tibco Developer**

**Responsibilities:**

* Gathered Business Requirements, interacted with the Users, Project Manager and SMEs to get a better understanding of the Business Processes.
* Expertise in connecting to Oracle and SQL databases and troubleshooting.
* Designed various XML Schemas for various entities to support the Common Data Model.
* Interacted with various third party vendors to standardize and agree upon XML schemas that would be implemented over HTTP
* Developed several SOAP services using TIBCO Business Works 5.6 to meet business requirements.
* Created Concrete WSDL’s and Web service Clients in BW for all Framework Services and created Shared library of the same.
* Designed and developed Tibco Business Works processes to manage transactions and integrate with Oracle databases.
* As part of Framework team created various common objects and common data elements in XSD schema language using Xml Spy.
* Customized and configured SQL queries and Active Database adapters to various applications.
* Extensively used SOAP and Service Palettes to create the Web services to enable/invoke services.
* Create Error handling and Validation processes using TIBCO Business works 5.6
* Performed Development, Testing and Deployment of the application in different (development and testing and Production) environments.

**Environment:**

**TIBCO Business Works 5.6, TIBCO EMS 4.4, TIBCO SAP/R3 Adapter , Smart Mapper Enterprise Server , TIBCO Administrator , TIBCO Rendezvous , XSD, TIBCO Turbo XML, SOAP pallets**

DBS SINGAPORE, BANGALORE, India NOV ’07 –NOV ’08

TIBCO Developer

* Involved in capturing the requirements, analysis and Understanding the business functionality.
* Participated in product design meetings to ensure requirements and design specifications are complete.
* Followed established development guidelines and standards to ensure continuity.
* Created Business processes using Tibco BW like integrating stock by item, brand and price range.
* Developed the sample process flows, charts and sequence diagrams
* Configured the ADB Adapter to publish and subscribe.
* Configured the file adapter to receive and publish data to .txt files(delimited)
* Responsible for Setting up RVRD communication across the subnet. Involved in Schema creation and SOAP Services.
* Deployed Web services in service registry.
* Created Web Services and WSDL using event source and services pallets
* Used Identity Palate for http authentication.
* Used SOAP Spy to inspect the SOAP envelope.
* Developed Hawk rulebases to monitor the existence of processes in production environment.
* Performed Unit and Integration testing of the developed Tibco BW Processes.
* Wrote Ant script to deploy the code in different environment.
* Used JDOM parser to parse the XML

QNB, Bangalore, India Aug ’05 – OCT’07

TIBCO Consultant

* Installed TIBCO Active Enterprise products.
* Provides an initial response time to the customer - meet SLA response time, collected relevant information to reproduce the reported problem and perform problem diagnosis and research on the issue
* Handled end user communication and work with the customer on next step diagnosis.
* Modified and performed testing of the existing Business Processes to rectify the defects.
* Tested and re-configured the ADB and File Adapters to populate the correct data.
* Implemented the business logic under the simple Java Bean components to be used under the various modules in the System.
* Involved in testing, debugging and bug fixing of the module.
* Was involved in the defect tracking and change management process