**Sonal G**

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**Summary:**

* Over 11 years of experience in TIBCO Active Enterprise Suite - TIBCO Business Events, TIBCO Business Works, TIBCO Runtime Agent, TIBCO Administrator, TIBCO EMS, TIBCO Rendezvous, TIBCO HAWK Suite, TIBCO Business Studio, TIBCO Adapters.
* Extensive hands-on experience in developing integration applications and messaging services using TIBCO products.
* Expertise in installation and configuration of TIBCO Rendezvous, TIBCO EMS, TIBCO TRA, TIBCO Business Works, TIBCO Administrator, TIBCO Business Events.
* Excellent hands-on experience in Web Services using SOAP, WSDL, Schemas XSD as well as RESTFul API Webservice.
* Extensive knowledge of installation, configuration, deployments, fault tolerant/load balance configuration, hawk rules/event configuration in TIBCO Administrator on different platforms (WINDOWS, UNIX and LINUX).
* Strong knowledge on performance tuning at the TIBCO administrator and TIBCO business works application level.
* Expertise in developing and configuring hawk rules for TIBCO services and TIBCO EMS server configuration.
* Experience in implementation of EAI standards using TIBCO Adapters and working knowledge with ESB standards.
* Good knowledge of XML related technologies like XML, XSLT, X-path, XSD and HTML.
* Extensive hands-on experience on entire SDLC (Software Development Life Cycle).
* Excellent working skills in developing custom applications using Java, J2EE, and Web services.
* Worked on the Cloud based technologies like AWS
* Good knowledge of databases like Oracle, Microsoft SQL server, MS Access, and developing database SQL Queries, store procedures, triggers and other database related operations.
* Extensive experience with developing design artifacts such as Sequence and Activity diagrams and flow charts using tool – MS Visio.
* 1 year of work experience in TIBCO Business Works Container Edition (BWCE), SOA, EAI, JENKINS, SQL.
* Good communication skills and innovative at work. Ability to work as team and complete the assigned tasks on time being obedient and committed to responsibilities.

**Technical Skills:**

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| --- | --- |
| TIBCO Integration | TIBCO Business Works 5.x,6.x TIBCO Designer 5.9, TIBCO Administrator, TIBCO Business Events5. x. Tibco CE 2.7.1 |
| TIBCO Messaging | TIBCO Rendezvous (RV) 8.x, TIBCO EMS 5.x/6.x/8.x |
| TIBCO Protocols | SOAP, WSDL, XML, SOAP/HTTP and SOAP over HTTP. |
| TIBCO Adapters | TIBCO Active Database adapter 7.x, TIBCO File adapter 5.x, |
| TIBCO Monitoring | Tibco Hawk 4.x/4.8, 5.1,5.2 |
| Web Development Technologies | HTML5, DHTML, AJAX, CSS, XML, XSL, XSLT, SAX/DOM, JSON |
| Container & Cloud Platform | * Docker * Kubernetes * Azure Devops * AWS |
| CI-CD | Jenkins, Maven Plugin, NSIS, AppManage, ANT Scripts |
| Databases | Oracle 8i/9i/10g/11i/12C, DB2 (UDB), Sql Server, MS Access, MySQL |
| Operating Systems | UNIX, Linux, Windows XP/vista/windows7 |
| Languages | C, C++, Java, J2EE, SQL, PL/SQL, WSDL. |

**Education:**

* Mama Saheb Mohol College, Pune- MCS. (COMPUTER SCIENCE)- June 2011

**Professional Experience:**

**Client: Equinix, CA (Remote) Apr 2024 – Till date**

**Role: Sr. Tibco BWCE Developer/Lead**

**Responsibilities:**

* Development of interfaces for the requirements provided
* Assess the business requirements. Involved in various meetings with functional team to capture
* functional requirements and analyze them in terms of application and data to come up with a cost-effective solution.
* Proficient in designing, developing, and deploying TIBCO BusinessWorks Container Edition (BWCE) applications using TIBCO Cloud Integration (TCI) and Docker containers
* Strong understanding of microservices architecture and experience in implementing scalable and resilient solutions using BWCE
* Extensive experience in developing RESTful and SOAP web services with TIBCO BWCE
* Hands-on experience with TIBCO Cloud Integration (TCI) for cloud-native integration and API management
* Familiarity with deploying BWCE applications on various cloud platforms like AWS Cloud Platform
* Proficient in using TIBCO BWCE plugins, such as MQTT, Kafka, and AMQP for event-driven applications
* Experience in containerization of BWCE applications using Docker and Kubernetes for orchestration
* Proficient in using CI/CD tools like Jenkins, GitLab CI, and Bamboo for automating BWCE application deployment
* Strong understanding of security best practices for BWCE applications, including OAuth2, JWT, and HTTPS
* Excellent problem-solving and debugging skills with experience in troubleshooting and resolving complex BWCE application issues
* Proceed with his development efforts based on the prioritization of the tickets. Ticket can be related to building new feature, enhancement or fixing issue in system. Task in building various features over the period of time, some of the features can be interrelated and need to develop in reusable manner.
* Create Queues, Topics, Bridges on ems server as needed.
* Responsible for unit testing the changes in local environment before pushing to UAT
* Migration of existing projects from BW 5.x to BW 6.x and BW 6.x to BW Container Edition and hosted the services in Cloud through AWS Linux Virtual machines
* Code promotion to UAT by using CI-CD Jobs
* SIT and UAT testing support
* Support the DevOps team to push the changes to production environment once that is approved
* Build code build and deploy pipeline for Tibco solution.

**Environment:** TIBCO Business Works 6.x, TIBCO Business Works Container Edition (BWCE 2.7.1), TIBCO EMS 8.1.0, TIBCO Administrator 5.8, LDAP Adapter, Oracle 9i, XML, XSD, TIBCO TIBCO HAWK, Windows XP & UNIX.AWS.

**Client: Westpac/Infosys, Pune India Aug 2023 - Feb 2024**

**Role: Sr. Tibco BW Developer/Lead**

**Responsibilities:**

* Development of interfaces for the requirements provided
* Analyzing the requirements and work on design of the implementation
* Worked on PROD issues after Go live
* Involved in Peer Code reviews and have done enhancements in development
* Proof of concept on Amazon Web Service(AWS) designing and deploying enterprise wide scalable on Cloud patform
* developed and Deployed Container Edition Projects in Docker environment, administered it through Consul like altering the Global Variables and checking the BW Profile etc..
* Technical documentation of developed interfaces
* Involved in QA & UAT support for deployed code
* Unit testing the code and documenting them
* Reviewing documentation to understand Functional specification.
* Proactively escalated issues, problems, status to the Manager and communicated with team on items of impact to ensure adherence to development schedule..
* Implemented Business Logic as Web Services in TIBCO BW.
* Implemented an ESB to allow the movement of data to end systems via JMS
* Monitor and control routing of message exchange between services using ESB.
* Prepared release documents for all the environments.
* Good Knowledge on Azure API and CICD
* Suggested and Implemented Tibco best practices for Performance and Tuning.
* Involved in writing the views and stored procedures for Oracle DB.
* Developing and maintaining relationships with project team members, third party service partners, and client areas as appropriate
* Working effectively as a team, supporting other team members in achieving project/ business objectives and providing client services.
* Build archive file deployed the projects into various environments by using TIBCO Administrator.
* Involved in Tibco BW and Adapter deployments.
* Involved in Production build and release of application EAR's.
* Supported for Hawk Monitoring tasks, Involved in creation of hawk rulebases.
* Changed given global variables as per the request mail.
* Start/Stop and monitor all Adapter and BW instances.
* Review all alert mails, which are coming into mailbox.
* Created and managed Queues and Bridges Groups and Users.
* Installed TIBCO components e.g., Business Works, Admin, EMS, etc.
* Installing, configuring, and testing TIBCO EMS, Rendezvous, TRA, Administrator, Business works, Hawk, Adapters, etc.
* Used Tibco utilities like domain utility, AppManage, buildear.
* Perform problem diagnosis and research the issue.

**Environment:** TIBCO Business Works 6.x, TIBCO Business Works Container Edition (BWCE), TIBCO EMS 8.1.0, TIBCO Administrator 5.8, LDAP Adapter, Oracle 9i, XML, XSD, TIBCO TIBCO HAWK, Windows XP & UNIX

**Client: Nielsen IQ/Persistent Systems, Pune India Mar 2022 – Sep 2022**

**Role: Sr. Tibco BW Developer/BE Developer/Lead**

**Responsibilities:**

* Actively involved in sprint planning for a sprint and identifying the tasks that can be taken up in a particular sprint as per the no of resources available.
* Building and Profiling shared environment by installation of required version of software product as per TIBCO's release of Product-Profile-Version
* Understood and worked on the existing business model
* Involved in design discussions with onshore Design team regarding the design documents
* Created business processes as per the requirements
* Heavily involved in designing and developing middleware solutions used by the clients as per business requirements.
* Most applications built with TIBCO Business Works 5.x and 6.x, TIBCO Business Events 4.x and 5.x, TIBCO EMS and TIBCO Active Spaces software, using a solid Java base.
* Most applications are real time messaging applications, held to strict high-performance SLAs. The applications are highly available and relied upon to run the operations.
* Consistently worked on several projects at one time. Demonstrated the ability to efficiently multitask, prioritize and adapt to a rapidly changing environment.
* Resolve Quality Center Tickets raised during EQA testing.
* Communicate with client architect and managers and lead the project from offshore.
* Responsible for prioritization of many medium-sized projects, spanning dozens of business groups. Estimated requests, assigned resources, developed, and coordinated testing and cutovers
* Involved in POC Migration from BW 5.x to 6.x
* Participated in Integration testing and QA support
* Involved in resolving defects
* Deployed various test environments
* Generated and monitored a complete health report of all machines owned by TIBCO
* Defining policies and managing endpoints using Policy manager console
* Configured shared resources including JDBC providers and JDBC data sources
* Configured error handler process for the errors generated in the process
* Fixed bugs as per the software change requirement
* Created sub processes within the business process
* Created Static Queues, Topics, and Bridges, Routes, and connection factories on TIBCO JMS Server for all applications
* Created EAR Files for the developed BE components and deployed them using TIBCO Administrator.
* Implemented Enterprise Application Integration (EAI) solutions using TIBCO software products including Business Works and Enterprise Message Service.

**Environment:** TIBCO Business Works 5.x/6.x, Tibco Business Events 5.x TIBCO EMS 8.1.0, TIBCO Rendezvous 7.2, TIBCO Administrator 5.2, LDAP Adapter, TIBCO MQ Adapter, SWIFT adapter, Oracle 9i, XML, XSD, TIBCO TIBCO HAWK, Windows XP & UNIX.

**Client: TIBCO - Pune India Jan 2014 - Dec 2021**

**Role: Sr. Tibco Consultant**

**Responsibilities:**

* Working on WebLogic Administration-installation, deployments, configuration, maintenance, performance, monitoring, troubleshooting Web based applications.
* Tibco Administrator, Tibco BW, Tibco BE and Tibco Active spaces installation and setup.
* Configuring JMS Bridges and queues, JDBC Destinations, LDAP, and Jolt Connections in WebLogic.
* Performed 24x7 Production support on service and environment for all DTQ (Dev, CIT, SIT, UAT, and LT) and Production for the several applications across different business areas.
* Worked on Middleware Administration-installation, deployments, configuration, maintenance, performance monitoring, troubleshooting Web based applications.
* True up environments to a particular code or release levels.
* Validating environments- code base, Server patches, participate in shakeout testing before handing it over to testing team.
* Document the installations of new components /new resolutions in Confluence for reference in future.
* Work on improvising the deployment scripts for new applications/new servers to handle the newly developed interfaces.
* Import certificates and configure keystore and truststore so as to establish SSL connectivity.
* Experienced in finding the Memory Leaks and adjusting the JVM Heap Sizes and GC Parameters.
* Server JVM, Memory, CPU & storage monitoring for all DTQ and Production environments
* Maintaining and monitoring the Production & DTQ servers for Database errors, thread consumption, broker utilization.
* Migrated BW 5.10 application to TIBCO BW 5.13 using migration utility.
* Experience working on TIBCO Business Events for analyzing complex patterns using events, concepts, scorecards, state modelers, functions, rules, channels and destinations of business.
* Migration of Tibco code from BE 4.3 to 5.3.
* Co-ordinated with Offshore in order to develop and handle the application.

**Environment:** TIBCO - TIBCO Business Works, TIBCO Administrator, TIBCO Hawk, TIBCO EMS, TIBCO Business Events, Tibco Active Spaces, WebLogic 10.3\*, MFT, Linux, Splunk and Perforce (Version control tool).

**Client: Asurion/Synechron – Pune India Jun 2011 – Mar 2014**

**Role: TIBCO Developer/Administrator**

**Roles & Responsibilities:**

* Created the Integration Requirements Document by consulting with the Business Analysts and End users.
* Involved in complete SDLC for this Project.
* Configured Hawk rule bases for the project to monitor BW engine and Log files.
* Involved in setting up Fault-tolerance and Load balancing environment for BW Engines and EMS Server.
* Fine-tuned the Max jobs and Flow limit to the BW engine considering the load analysis.
* Created Unit test cases document and performed unit tests in the local box.
* Performed Deployment and Testing of the application in different (development and testing) environments.
* Developed few Interfaces using the SAP R3 adapter for processing Material IDOCS, Process Orders and Inventory IDOCS.
* Developed scalable modular software packages for various APIs and applications.
* Implemented procedures for measurement and optimization of performance of new and current systems.
* Created new trading partners and EDI implementations using Business Connect and set error severities/ SNIP levels using SpecBuilder.
* Configured SOAP/HTTP and SOAP/JMSWeb Services using TIBCO BW.
* Created Queues, Topics, Bridges required for this application in TIBCO EMS.
* Created the deployment deliverables (EAR, xml, password/properties files (TIBCO AppManage), installation documents, project libraries) for this project.
* Installed Tibco MFT platform servers.
* Provided technical support services for MDM mapping and gap analysis sessions.
* Worked with systems engineering team to design iProcess and ESB integration.Experience in creating work flows/Forms by using Business Studio &iProcess.
* Experience in implementation of Best practices using iProcess Engines, Business Studio and Business Works.
* Developed artifacts for the Design and Development of the iProcess components.
* Configured Operations, Host, Partners, Bussiness Agreements for various clients in Tibco Business Connect Admin.
* Complex integration of all the applications has been done with real-time data transfer using TIBCO Rendezvous.
* Primary support for customer inquiries of EDI orders and monitor error queues during EDI processing and Implement data exchange standards (EDIFACT and X12).
* Worked on replication of data across multiple data centres using Tibco EMS Routing.

**Environment:** Tibco BW, Tibco EMS, EDI, EDI x12, EDI Fact, Tibco Rendezvous, TIBCO Managed File Transfer Internet Server 7.2.0, TIBCO Business Connect 5.x, Tibco ADB and SAP R3 Adapters, MDM 8.x, Business Connect, TIBCO BE 5.1.0 Java, Oracle 10g, TIBCO Administrator, Oracle pl/sql developer, Stored Procedures, Windows XP Professional, UNIX and Windows NT.