**PRASANTH VELLAMPALLI**

IBM Integration Bus / ACE / WMB Senior Developer (Middleware developer)

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**SUMMARY:**

* Around 8+ years of IT experience in **Middleware Integration development** from requirements gathering to analysis and software design, development to implementation, test plan to delivery and production support.
* Strong experience in configuring, installing, deployment and development of **IBM Integration Bus v9/v10, IBM ACE v11, IBM WebSphere Message Broker, IBM DataPower X150/X152,** **IBM API Connect** and **IBM MQ**.
* Skilled in ACE / IBM Integration Bus v10/11 based application development and have profound knowledge on **ACE/IIB/WMB and IBM MQ Admin activities** and commands.
* Strong development experience with **ESQL** and **Java** in **IIB** and **XML/XSLT in DataPower.**
* Strong experience in developing applications using **MQ, Database, Transformation**, Construction, **CICS**, **Aggregation,** and web services - **SOAP and REST API IIB Nodes**.
* Experience in writing ESQL programming to handle message routing and transformations and have strong knowledge in message formats like **XML, JSON, DFDL, SWIFT, EDI**, Bank and Health Care Message formats.
* Good knowledge in **WSDL**, Swagger documents, **Rest API,** and **SOAP Web services**.
* Excellent skills in accessing various databases using **SQL** Queries, **PL/SQL** on various databases like **MySQL, Oracle**.
* Developed numerous APIs demonstrating expertise in **IBM API Connect**.
* Experience in creating the **Common Exception Handling** and logging of events and Data using IIB event Generation or Queue based.
* Hands on experience with **HTTP/FTP/NFS** front side handlers to receive information from various services.
* Worked extensively on creating and configuring the **Local Queue Managers** and **Remote Queue Managers**. Have knowledge on **Clustering** concepts in Queues.
* Have experience on installing and working on **MQ appliances**.
* Experience with testing tools such as **RFHUTIL, SOAPUI and Postman** to test the input and output messages of various formats.
* Experienced in CI & CD using **Jenkins** and **JIRA**.
* Developed test cases for the flows and tested those in **Unit Testing**, **SIT** (System Integration testing) and **UAT** (User integration testing).
* Developed couple of **automation projects** using **SOAPUI** to reduce the time of testing when there are more applications.
* Have knowledge on **Java**, **SQL**, **IBM** **DB2** **Database** and **Oracle Database**.
* Experienced in writing SQL queries and implement complex business functionality.
* Created message sets for mainframe applications using **COBOL** copy book structures.
* Strong experience in performing and supporting problem determination and resolution.
* Participate in code review and defect review meetings.
* Experience in providing 24/7 on-call support for applications running in production and have the knowledge and capabilities to produce and provide detailed documentation

**TECHNICAL SKILL SET:**

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| --- | --- |
| Integration Tools | IBM App Connect Enterprise v11, IBM Integration Bus v10/v9, IBM DataPower X150/X152, IBM MQ, IBM WebSphere Message Broker v8/v7, IBM API Connect. |
| Programming Languages | ESQL, JAVA, SQL and PL/SQL, Python, Groovy Script, Shell scripting and COBOL. |
| Testing tools | SOAPUI, RFHUTIL, Postman. |
| CI & CD related tools | Jenkins, JIRA, SonarQube and UDeploy. |
| Cloud | IBM dev-cloud |
| Other supported tools | Eclipse, IBM Data Studio and Android Studio, GitHub, Bitbucket, Splunk, IR360, Putty, WinSCP and Reflection for Unix and OpenVMS, WSRR. |
| Software Methodologies | Agile, Scrum, Waterfall |
| Database and OS | IBM DB2, MySQL, Oracle, Windows 10/8/7/vista/XP, UNIX, MAC. |
| Front end | HTML5, CSS and JavaScript. |
| Industry Knowledge | Banking (ACH, Wires etc.), Payments, Health Care (HL7, FHIR, EDI). |

**EDUCATION / CERTIFICATIONS:**

* Bachelors’ – Electronics and Communications Engineering
* Completed IBM certifications exam and earned badges – IBM MQ Developer Essentials and IBM APP Connect Essentials.
  + <https://www.credly.com/users/prasanth-vellampalli/badges> - Credly URL

**PROFESSIONAL EXPERIENCE:**

**Client: Bank of America, Charlotte, North Carolina Nov 2021- Till Date**

**Role: Sr. IBM Integration Bus Developer (Middleware developer)**

**Project Name: Message Request Processor / International Request Processor:**

## RESPONSIBILITIES:

* Involved with Business Analysts to gather the requirements to Design and created technical specifications and functional design specifications to support various new interfaces in IIB and DataPower.
* Developed message flows in **ACE (APP Connect Enterprise) v11 and IIB v10** using ESQL and Java which does XML/JSON transformations, SWIFT message transformations, SOAP/HTTP XML to IMS (MRM) mappings and transformation.
* Developed applications that involve payments processing and bank transfers.
* Created transformations in **DataPower using XSLT** and pass-through services to provide security layer to IIB services.
* Developed Payment (ACH, Wires, SWIFT) processing applications which involve transformations of **SWIFT MT/MX** format messages like MT103, MT910, MT900, PACS format which are extensively used in Banking for secured transfers.
* Developed Message Flows without Message set which used custom XSD/XSLT transformations to transform into XML and Fixed length Messages.
* Developed and enhanced API’s using IBM API Connect.
* Monitor logs and Queue depths to proactively find potential problems.
* Extensive experience with build and deploy BAR files in various environments.
* Built services that validates the data against schemas and bridges protocols for guaranteed delivery of messages using XSLT stylesheets.
* Worked on database for creating the routing logic which is used for identifying and sending the transformed messages to downstream applications.
* Developed request, response, and error rules.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins.
* Worked on generating Public and private keys for the external server connection setup.
* Profound knowledge on the banking transactions and operations for a customer-centric world.
* Closely worked with QA and inbound applications teams for end-to-end testing and maintaining environment stability.
* Provided support for L2 team in troubleshooting the production issues.
* Worked in an Agile methodology and provided support during the release of the changes to production environment.
* Used version control software BitBucket for maintaining the release changes code.
* Used WinScp for configuration files management and Putty for Cache and server related activities.
* Maintained Jira Scrum board for creating the Sprint stories, tasks and Epics which are used for tracking the planned project work.

**Environment:**  ACE v11, IBM Integration Bus v10, IBM Websphere MQ v9, IBM Datapower X150/X152, IBM API Connect, ESQL, Java, SQL, IBM Data Studio, Squirrel, Oracle DB, MySQL, XSLT Transformation, XML Transformation, COBOL Copy Books, GitHub, Bitbucket, Gitbash, Putty, WinScp, Jenkins, Eclipse, SoapUI, RFHUtil, Postman, Splunk

# **Client:** **Pfizer**, **Hyderabad, India** **Jan 2021 – Nov 2021**

**Role: Middleware Integration developer**

**Project Name: Global Managed File Transfer / Messaging Services:**

## RESPONSIBILITIES:

* Involved in gathering requirements and creating functional specifications and doing the analysis, and implementation of Client requirements.
* Developed MQ based applications which involves the XML transformations, Database connections.
* Developed transformation in ACE v11 and IIB v9 using ESQL, Java and Mapping nodes.
* Developed Message Definitions for processing XML, Cobol Copy Book, EDI message formats in IIB using DFDL.
* Developed exception handling framework and logging for the flows in IIB.
* Installed MQ on Linux and Windows servers and created all the required Queue Managers, Queues, and setup.
* Monitored the messages flowing from MQ to IIB or MQ to external systems and archive directories for any files missing the processing.
* Used IR360 for MQ monitoring, created the Cron Jobs for scheduled MQ activities and created alerts that triggers the automated tickets for the support team on any MQ related issues.
* Worked on problem resolutions and raised PMRs with IBM for product issues.
* Participated in Production incident calls to provide resolution and fix the issue.
* Involved in IBM MQ and IIB admin activities.
* Provided 24/7 on-call support for the applications running in production to maintain environment stability and fixing the issues quickly.
* Design and implement scalable integration solutions that meet business requirements.
* Collaborate with cross-functional teams to design and implement efficient and scalable integration solutions for Pfizer's enterprise systems.
* Conduct regular reviews and updates of integration processes to ensure optimal performance and identify areas for improvement.
* Proactively identify opportunities to improve integration processes and technologies to increase efficiency and reduce costs for Pfizer.

**Environment:** ACE v11,IBM Integration Bus v10, IBM Websphere MQ v9, Java, SQL, IBM Data Studio, MySQL, XSLT Transformation, XML Transformation, GitHub, Gitbash, Putty, WinScp, Jenkins, Eclipse, SoapUI, RFHUtil, Postman, Splunk, IR360, Reflection for Unix and OpenVMS

# **Client: CVS Health, Bangalore, India** **Mar 2018 – Jan 2021**

**Role: IBM Integration Bus Developer**

**Project Name: Profile and Privacy data / Health Plans Applications:**

## RESPONSIBILITIES:

* Involved in gathering requirements and creating functional specifications and doing the analysis, Design, Coding, modification, and implementation of Client requirements.
* Developed HTTP/Rest Applications, Message flows which does XML/XMLT transformations and conversions from one format to another.
* Involved in Debugging ESQL in Compute node and Java code in Java compute node.
* Worked on MQ appliance and maintaining Queues using IBM MQ.
* Used several nodes like Callable, Rest, HTTP, CICS, Group, Aggregation, Async Nodes to design applications and to call external services using SSL two-way communications.
* Developed shared and static libraries for the reuse of the common components and involved in deploying into Execution groups.
* Provided technical support for the project implementations, deployments & live proving.
* Developed sub flows, exception handling, and included logging for transaction details.
* Developed the applications on Agile methodology and tested the application within each cycle.
* Monitored the MQ series Queuing system, the memory utilization of the WebSphere application server and error/application queues for the WMQI message flows.
* Understanding high availability configuration including multi-instancing of IIB and WebSphere MQ.
* Understanding and validating the swagger documents and WSDL files for creating REST or Soap web services.
* Used Splunk for logging and validating the transactions for errors.
* Collaborate with cross-functional teams to gather requirements and implement integration solutions that meet business needs.
* Collaborate with the development team to design and implement custom integration solutions for CVS Health, ensuring the smooth transfer and transformation of data between different systems and applications.
* Collaborate with project managers and business stakeholders to define project scope, goals, and deliverables for integration initiatives.
* Design and implement error handling and recovery mechanisms to ensure the reliability and stability of integration applications.
* Provide technical expertise and support in the design and implementation of integration solutions, this includes developing HTTP/Rest Applications, Message flows, and libraries, debugging ESQL and Java code, monitoring the queuing system, and validating swagger documents and WSDL files for creating web services.

**Automation Project Name: Automated testing SoapUI Project**

Developed Automated SoapUI Project for simplifying the testing of IIB Applications:

* Created an automated SoapUI application which runs multiple IIB SoapUI projects at a single instance and helps to test the applications in a reduced time.
* Created SoapUI project for each application with single/multiple test suites which intern contains test cases.
* Created a common automated SoapUI project using Groovy script which calls the SoapUI projects of each individual application, reads the logs and create an excel sheet with the execution details of each test case.
* Used Groovy script to assign assertions read from a text file dynamically for each testcase to validate the response and send the execution log details in excel sheet to the team mail.
* Involved in creating the automated script to make support for all types of formats like XML, JSON.

**Environment:** IBM Integration Bus v10, IBM Websphere MQ v9, ESQL, Java, SQL, IBM Data Studio, Oracle DB, IBM DB2, XML Transformation, GitHub, Bitbucket, Gitbash, Putty, WinScp, Jenkins, Eclipse, SoapUI, RFHUtil, Postman, Splunk, UDeploy, SonarQube, Groovy Script.

# **Client: Vizads, Hyderabad, India** **Jan 2015 – Feb 2018**

**Role: Integration Developer**

**Project Name: Advertising Applications Integration:**

## RESPONSIBILITIES:

* Developed web-based applications using IBM WebSphere Message Broker v8 and IBM Integration Bus v9 that integrates front end application with the database performing the required business logic.
* Created schedulers using Timer Nodes in IIB to present Ads on the advertising screens.
* Developed applications using HTTP/Rest API nodes that takes the input from the front-end application and fetches the Ads information to be played.
* Hosted applications in AWS and used AWS cloud to store all the Advertisements.
* Used IBM WebSphere MQ to store the messages in the queue and process them in a sequence FIFO order.
* Developed applications that does JSON transformations.
* Developed Exception Handling and auto retry logic when there is error due to Network coverage or other generic exceptions.
* Developed audit storage of events in IIB event generation.
* Created and deployed bar files using the toolkit and the command line utilities.
* Configuring new brokers by setting up the databases and JDBC connections.
* Writing technical and functional specification documents for integrations.
* Developed common functions that can be reused and across multiple IIB projects.
* Developed reusable sub flows into the message flows based on the requirement.
* HTTP build in nodes in combination of SSL certificates were used to request and receive the messages from front end.

**Environment:** IBM Integration Bus v9, IBM WebSphere Message Broker v8, IBM Websphere MQ v9, ESQL, Java, SQL, Amazon AWS, IBM DB2, GitHub, Gitbash, Putty, WinScp, Eclipse, SoapUI, RFHUtil, Postman.