



## Senior SAP Technical Consultant

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### Professional Summary

- **SAP XI / PI Consultant with 6 years of IT Experience with 3 Years of SAP XI / PI** experience Consultant and 3 Years SAP R/3 (ABAP/4)
- **2 years EDI/XML** mapping experience as a SAP XI mapping using Seeburger, Gentran and Harbinger.
- Experience in **SAP XI / PI integration, Implementation, post go-live and involved in upgrade**
- Responsible for identifying interfaces data requirements and analyzing interface technologies to determine appropriate interface
- Expertise in suggesting the client for various best practices for XI / PI implementation and strategies on how to protect the investment and to reduce the TCO
- Extensive knowledge on SAP NetWeaver Technology and architecture positioning of the Exchange Infrastructure in the NetWeaver stack. Creating Configuration Scenarios for A2A and B2B Integration
- Experience in **complete Life cycle Implementation of PI** project i.e. from installation phase of PI to the production phase. Involved in various phases of the project development from gathering requirements to testing and real time usage in production
- Development Experience in XI/ PI Interface scenarios, Integration Processes, Message Interfaces, Inbound & Outbound Interfaces, Data Types, Message Types, Imported IDOCs/RFCs into XI, Context objects and Mappings programs/objects using XSLT, Java and ABAP in IR
- Experience in Configured Business scenarios, Receiver System end points, Routing Rules, Receiver and Interface Determinations, Communication Channels, parties and services using Integration Directory of PI
- Involved extensively in the configuration of XI/ PI with SAP and non-sap systems and extraction of data from different legacy non-sap and SAP systems
- Serialization and Sync/Async Bridge. Created custom BPM patterns for orchestration of data from various systems using the standard integration process steps like Receive, Send, Transformation, Receiver Determination, Block, Loop etc
- Extensively used **IDOC, RFC, SOAP, FILE, JDBC, JMS, Mail** and **HTTP** Adapters, for both inbound and outbound processing, both **Java and ABAP proxies** and various **BPM patterns**
- Expertise in Adapter Configurations and **End-to-End Monitoring**
- Extensively used **XI Runtime Monitoring** of XI messages
- Experienced in using **File System Transport** and Transport using **CMS** for the transportation of XI content between various instances of XI viz. **XI-DEV to XI-QA to XI-PROD**
- Writing of end to end technical specification included the following PI Technical Design, Mapping Documents, ABAP Technical Design and PI/ XI Technical Design
- **Prod, Dev and QA** implementation experiences of XI/ PI and configuration issues like creating RFC destinations on both R3 and PI side, Configuration of IDOCs, ALE configuration, configuring Partner Profiles and Logical Systems
- Experienced on designing and documenting interfaces (with SAP and Non SAP legacy systems using PI Adapters) using Technical Design Documents, Functional Specs
- Experience in developing Integration scenarios, Inbound and Outbound Interfaces with graphical / Java / XSLT based message mapping and user-defined functions
- Experience on integration SAP EP applications
- **Experience with Seeburger adapter, RNIIF (RosettaNet) adapter ,EDI adapters**
- Knowledge in TIBCO, **Webmethods**, IBM MQ series, SAP MDM and SAP EP

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- Expertise in full life cycle implementation, rollouts, testing and maintenance support in SAP R/3 4.6C,4.7, ECC 5.0,NetWeaver2004 on Various Modules
- **Strong SAP PI** development experience with **SD, FI-CO, HR, WM** and **MM** modules
- Extensively worked on Interactive Reports, ALV and Dialog programming
- Multiple projects on **Data Migration with BDCs, Legacy System Migration workbench (LSMW)** for data upload for various SAP Projects
- Involved in integrating **IBM zSeries, AS/400 (Mainframes)** systems to transfer the data between different plants.
- **Involved in design for reading the CSV files from mainframes to SAP using File adapter.**
- Experience in configuring **EDI, ALE, IDOC and Workflow** Interfaces

### Technical Experience

<b>Language</b>	ABAP 4, Java , J2EE, SQL, PL/SQL, C, C++
<b>SAP Components</b>	ALE, EDI, IDOC, Workflow, BAPI, ABAP/4 Reports, SAP Scripts, BDC
<b>NetWeaver</b>	<b>XI 3.0, PI 7.0, PI 7.1, EP</b>
<b>ERP</b>	SAP R/3 Ver. 4.0B,4.6C, 4.7, ECC 5.0./6.0
<b>Databases</b>	MS-Access, SQL server, Oracle
<b>SAP Modules</b>	SD, FI-CO, MM, HR,CRM,SRM,BI
<b>Markup Languages</b>	HTML, XML
<b>Operating Systems</b>	Unix, Windows 95/98/2000/XP/2003 server

### Clients / Experience

#### Pharmaceutical Client, PA

#### Senior SAP XI/PI consultant

The direct customer interface will provide ship to, sold to and bill to customer information from the SAP R/3 system to the Model N Government Pricing system. The data sent will consist primarily of address and partner information extracted via IDOC. Change pointers are set within SAP (via SAP IDOC configuration) and hence, any changes or during creation of a new customer in SAP, an IDOC with all relevant customer as well as partners related information, will be sent to (via SAP PI) and stored in Model N (Informatica) tables.

#### Roles & Responsibilities:

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- Integration of **ETL** (ModelN government pricing system) with SAP R3 using **SAP PI**
- Involved in requirement gathering and analysis, developed Technical spec based on the Functional spec.
- Designed Integration Repository according to the business scenarios, created Data Types, and assigned Data Types to Message Type, Message Interface (Asynchronous/ Outbound)
- Configured in Integration Directory for various sender and receiver channels according to the Business systems and business services, Create Receiver Determinations, Interface Determinations, Receiver Agreement, and Sender Agreement depending on the scenario
- Outbound IDOC configuration by implementing change pointers so that it could send out data for any changes to the customer master data.
- Created interface to extract data out of **SAP BW** and send it to ETL using SAP PI
- Configured and created **Alerts** for the interfaces as an error handling procedure
- Created test case documents for both unit and integration testing
- Used CTS+ for code deployment of the designed components
- Worked with Netweaver Admin during technical configuration of the **CTS+** and Alerts
- Involved in creating a migration plan to move the development to production and production support.
- Extensively used Debugging skills to handle the errors and Message flows in PI

**Environment:** PI 7.0, AIX, SAP ECC 6.0, SAP SD, R/3, ETL (Model N), CTS+, SAP BW

### Manufacturing Client, Reno, NV Senior SAP XI/PI consultant

To support the market release of standalone AVP (Advance Video Platform) slot machines, IGT is in the process of building in a licensing mechanism. Dongles will be used as the licensing device in the initial phase; they are portable devices with security features. License files will be generated by FLEXnet Operations (FNO) and passed to the iKey Burner application for burning on a dongle.

#### Roles & Responsibilities:

- Created and configured Web service interface between SAP R/3 and FLEXnet Operations that relates to entitlement creation and fulfillment.
- Developed many complex Data Structures in the Integration Repository as Inbound and Outbound Messages from the given WSDL's.
- Configured sender **ABAP proxies** and receiver side **SOAP adapter** to send the notification messages from SAP to FNO through various Web service calls.
- Developed Web service interfaces to integration with FLEXnet Operations.
- Developed **ccBPM** for Synchronous communication with R/3 and FNO Web services.
- Developed mapping techniques in order to transform data from R/3 to FNO.
- Used Java Mapping and User defined functions to perform complex mapping
- Configured in Integration Directory for SOAP receiver channels according to the Business service and manually tested the response using XMLSpy.
- Performance analysis, queue prioritization and debugging the error messages through their payload.

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- Used Component monitoring and message monitoring to check the status of all the components and the messages from the components
- Designed and developed Oracle to MDM interface for the Material Master Data using PI
- Worked with Netweaver Admin during technical configuration of the Integration Server
- Involved in Preparation of Technical specs, functional specs and creating a migration plan to move the development to production and production support 24 \* 7.
- Extensively used Debugging skills to handle the errors and Message flows in PI

**Environment:** PI 7.0, Windows 2003 server, WAS 6.4, SAP ECC 6.0, NetWeaver 2004s, R/3, MDM

### Manufacturing Client , TX

#### Senior SAP XI/PI consultant

Texas Instruments is electronics based company with headquarters in Dallas, TX. It is renowned for developing and commercialization semiconductor and computer technology. The Company had three separate business segments, Semiconductor, which accounted for 87 percent of the Company's revenue, Sensors & Controls, which accounted for 9 percent of the Company's revenue and Educational & Productivity Solutions, which accounted for 4 percent of the Company revenue in 2006. It is one of the biggest companies implementing SAP XI across all its operations to integrate data from its SAP and Non-SAP Systems.

#### Roles & Responsibilities:

- Designed Integration Repository according to the business scenarios, created Data Types, and assigned Data Types to Message Type, Message Interface (Asynchronous / Synchronous, Inbound or Outbound)
- Developed many complex Data Structures in the Integration Repository as Inbound and Outbound Messages
- Configured in Integration Directory for various sender and receiver channels according to the Business systems and business services, Create Receiver Determinations, Interface Determinations, Receiver Agreement, and Sender Agreement depending on the scenario
- Performed the process of monitoring using the XI monitoring tool and Runtime workbench for all the interfaces and stress testing for all XI interfaces
- Used Component monitoring and message monitoring to check the status of all the components and the messages from the components
- Performed Alert Configuration to alert for the various events/errors for different alert categories
- Configured setting up **Partner Profiles, Ports and RFC** Destinations
- Configuration and development of interfaces utilizing various adapters which include **FILE, JDBC, SOAP, RFC ,IDOC ,HTTP, JMS adapters and both Java and ABAP proxies**
- Developed Portal integration with XI using SOAP adapter and FILE adapter (Web services)
- Involved in integrating **AS/400 (Mainframes)** system to send and receive the data between legacy systems.
- Worked with Basis consultants during technical configuration of the Integration Server
- Detailed documentation of each interface designed, including Business Scenario Swim lane diagrams, Object names, namespaces and their functionality
- Involved in Preparation of **Technical specs, functional specs**

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- Involved in Java Mapping and User defined functions
- Extensively used Debugging skills to handle the errors and Message flows in XI
- Responsible for monitoring all XI interfaces in Production

**Environment:** PI 7.0, Windows 2003 server, WAS 7.0, SAP ECC 6.0, NetWeaver 2004s,

### Retail Client, GA

#### Senior SAP XI consultant

The Home Depot, Inc. is home improvement retailer with headquarters in Vinings, GA. The Home Depot stores sell a wide assortment of building materials, home improvement and lawn and garden products and provide a number of services. In addition to its retail stores, its business includes HD Supply, which distributes products and sells installation services primarily to business-to-business customers, including home builders, professional contractors, municipalities and maintenance professionals. The project involves migration of EDI translator (Websphere Data Interchange 3.2) to SAP XI platform for the client's business process.

#### Roles & Responsibilities:

- Involved in requirement gathering and analysis
- Development of critical interfaces such as **Sales report** data transfer involving the highest volume of data on a daily basis for the stores
- Extensively used the XI mapping tool and the standard functions to create the Message mappings. Created user defined java functions to include the functionality not covered in the standard functions. Used Java, XSLT and ABAP mappings created from Third party tools
- Monitored the cache updates and performed the Manual refresh and Delta refresh for CPA cache and XI runtime cache
- Created Integration Scenario, Integration Process using Message Interface.
- Configured **Sender ABAP proxy and Receiver side JDBC adapter** to send the notification messages from SAP to SQL Database for released production orders
- Involved in B2B Scenario's using Business Connector, **JMS, HTTP, See burger**, Market Place adapters and BizTalk adapter for SAP
- Developed Seeburger mappings for specific EDI transaction sets such as 850, 810, and 214 and configured SAP XI with Seeburger adapters EDI AS/2 and VAN
- Involved in developing interface between SAP R3 and SAP BW
- Developed Asynchronous to Synchronous bridge to call BAPI
- Debugging and monitoring in Runtime Workbench of all Business Scenarios
- Performed Unit testing and End-to-End Integration testing with Source and Target Systems

**Environment:** XI 3.0 SP 15, UNIX, Web Application Server 6.40, SAP ECC 5.0, NetWeaver 2004

### Biopharmaceutical Client

#### Senior SAP XI consultant

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Cephalon, Inc. (NASDAQ: CEPH) is a biopharmaceutical company co-founded in 1987. Cephalon specializes in medications to treat and manage neurological diseases, sleep disorders, cancer, pain and addiction. Cephalon currently markets more than 20 products internationally, including seven proprietary products in the United States.

#### **Roles & Responsibilities:**

- Integration of various SAP R3 systems and legacy systems using XI
- Developing interfaces and mapping to deal with **EDI** structures
- Identifying and working with **EDI** errors in inbound IDoc's
- Defined Integration Repository Objects like Data type, Message Type, Message Interface, Message Mapping and Interface Mapping
- The Scenarios includes XI's Functionalities from IDOCs, RFC, JDBC, FILE, HTTP and Complex BPM
- Designed error handling strategies based on the different interfaces using mail adapters and BPM
- Responsible for developing business requirements, functional specifications, detailed design, interface documentation, implementing software and testing
- Developed interface for recruitment and staffing
- Handling Translating (Inbox) errors in EDI
- Development of Harbinger and Gentran EDI maps to/from SAP R/3 Idocs for transactions 810, 850, 855, 856, 860 and 875 using X12 standard, with versions ranging from 2001 through 4010
- Configured and monitored **RNIF 2.0 adapter (RosettaNet)**
- Performed message monitoring, end to end monitoring, BPE monitoring
- Involved in design and development of Exception Handling services, Alerts and Notifications
- Involved in setting up the System catalog & the software catalog which includes business system as well as technical system
- Involved in Transport Mechanism for Dev to PRD in SAP XI
- Overall project management for full life cycle implementation

**Environment:** SAPXI 3.0 SP12, SAP R3 4.7, EDI

#### **Manufacturing Client**

#### **Senior SAP XI consultant**

#### **Roles & Responsibilities:**

Philips Lighting Company is the world's largest lighting producer, manufacturer and marketer of products for industrial, commercial and consumer markets. Philips Lighting markets more than 2,500 lighting products to the retail, industrial/commercial, consumer and original equipment manufacturer (OEM) markets.

- Integration of various SAP R3 systems and legacy systems using XI
- Developing interfaces and mapping to deal with **EDI** structures and involved in ALE settings
- Identifying and working with **EDI** errors in inbound IDoc's
- Defined Integration Repository Objects like Data type, Message Type, Message Interface, Message Mapping and Interface Mapping

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- The Scenarios includes XI's Functionalities from IDOCs, RFC, JDBC, FILE, HTTP and Complex BPM
- Designed error handling strategies based on the different interfaces using mail adapters and BPM
- Responsible for developing business requirements, functional specifications, detailed design, interface documentation, implementing software and testing
- Developed interface for recruitment and staffing
- Handling Translating (Inbox) errors in EDI
- Development of **EDI** maps to and from SAP R/3 Idocs for transactions 810, 850, 860 and 997 using X12 standard, with versions ranging from 2001 through 4010
- Performed message monitoring, end to end monitoring, BPE monitoring
- Involved in design and development of Exception Handling services, Alerts and Notifications
- Involved in setting up the System catalog & the software catalog which includes business system as well as technical system
- Involved in Transport Mechanism for Dev to PRD in SAP XI
- Overall project management for full life cycle implementation

**Environment:** SAPXI 3.0 SP12, SAP R3 4.7, EDI

### Oil & Gas Industry Client

#### Senior SAP ABAP consultant

#### Roles & Responsibilities:

- Developed Shipment details report, which displays material code, material description, stock and transaction as per the client requirement
- Developed Interactive reports for stock value list, stock quantity available and material document list
- Worked on **LSMW** for updating the customer master data from the legacy system to SAP R/3 system using transaction code XD02 onto a MS Excel sheet and involved in ALE settings.
- Developed **BDC program** to load vendor master data from a Flat file into SAP from legacy system using call transaction
- Modified the layout set **MEDRUCK** for purchase order information to add company address and the logo. Included standard text according to the user requirements
- Implemented **BAPI\_SALESORDER\_GETLIST** to get list of orders and details for a customer
- Using **SMART FORMS HR\_F03\_PPF** for the function module FB\_MIGRATE\_FORM which migrates all SAP SCRIPT forms automatically
- Used the Standard SAP Script form **FI\_FAX\_COVER\_A4** and called the FI\_MIGRATE\_FORM and Copied modified extensively the Standard SAP script layout sets and their corresponding print programs
- Set up organizational Unit, created positions, assigned Standard tasks to respective positions, Created **workflow** Template to release Purchase Requisition (BUS2009), Implemented events on tasks and Developed workflow builder. Integrated **workflow** with FM to send Material across distributed environment

**Environment:** SAP R/3 4.7, SD, MM, WM, FI-CO

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### Manufacturing Client

#### Senior SAP ABAP Consultant

##### Roles & Responsibilities:

As an ABAP Consultant to develop and maintenance for SD and MM modules

##### **Reports:**

- Converted existing report and interactive reports to ALV report
- Developed a daily check report to produce a list of vendor name, materials, quantity etc
- Modified customer Performance report that lists customer Name, Materials Supplied, Planned & Actual delivery times, Payment terms and prices
- Developed a report, which lists the number of deliveries done by each forwarder every month
- Developed a report program, which will list stock quantity by product code or stock group
- Uploaded Vendor Master Data (XK01)

##### **Scripts:**

- Modified layout for Delivery Note to remove the customer article number from the main layout

**Environment:** SAP R/3 4.6C, SD, MM

### Manufacturing Client

#### Senior SAP ABAP CONSULTANT

##### Roles & Responsibilities:

- Uploaded Vendor Master Data (XK01)
- Developed a **BDC program** to upload Customer Master Data from flat file to SAP R/3
- Migrated budget accounting details from legacy system to SAP R/3 using transaction FK06 by using session method

##### **Scripts:**

- Modified layout for Delivery Note to remove the customer article number from the main layout
- Written a print program for Goods Receipt and Goods issue accepted and rejected materials
- Changes made to SAP standard PO layout to customize as per clients requirements

##### **Reports:**

- Developed an alv report for CPG Shipping and Open orders
- Enhanced an alv report for warehouse to get the details for goods price depends on movement
- Enhanced a report to display status of received goods
- Developed an alv report to display the CPG fill rate

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- Created a Report for the Forecasting of Open orders
- Developed a report to extract the data related to Accounts Payment
- Developed a report for Delivery Order which will take a Customer Number and Date Range in first screen and display the list of deliver orders which are not delivered in 2nd screen. The details of delivery orders will be displayed in 3rd screen

**Environment:** SAP R/3 4.6C, SD, MM, WM

## SAP Consultants – SAP Software Consulting Services

### CENDIEN – SAP SOFTWARE CONSULTING EXPERTS

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