

# Subbu Palaniappan

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Over 23 years overall IT experience including 15+ years as Senior ABAP Consultant working on various Technologies on SAP R/3 and AFS 6.3 (version from 4.6C to ECC6.0).

- Good technical experience in modules: FI-AP, FI-AR, FI-GLCO, FI-AA, SD (Q2C, P2P), MM, PM, HR, Transportation (Logistics), IM/WM
- Knowledge of SAP S/4 HANA, Fiori, UI5, Screen personas
- Extensive and progressive experience in development using BAPI/BADI modifications, RFC, User Exits, ALV, Reports, SAP Enhancements, SAP script, Smart forms, ALE/ IDOC Techniques.
- Complex customized project design and development using VOFMs, Customer Exits, User exits, BADIs, Enhancement framework and involving all RICEF objects.
- Experienced in RF Console programming in WM.
- Excellent working knowledge of NAST output messages, NACE configuring.
- Expertise in designing the interfaces, Creating Mapping Documents, Configuration of SAP systems, Maintain Partner Profiles, Create Ports, maintain Output Condition Records, Maintain Message Types, Idoc types, Create IDoc Views, Create and maintain Change Pointers.
- Proficient in debugging, Menu Painter, Screen Painter, Interactive reporting, OSS.
- Performance measurement and optimization using SQL Trace, Run Time Analysis, Code Checker.
- Convert project specifications and statements of problems and procedures to detailed logical flow charts for coding.
- Performed role of Development lead/Point of Contact for development and support coordinating with SAP Architect team, Basis, Functional consultants, team members onshore/offshore and integration team.
- Business process understanding especially in Sales & Distribution, Material Management, Financial Accounting, Plant Maintenance, Transportation (Logistics).
- Good understanding of SD Condition Records, Pricing Procedures, Output Procedure, Access sequence.
- Good knowledge on key SAP processes like Order Management, VAS (Value Added Services) ticketing, Billing.
- Experienced in working with large diverse teams and coordinating between all stakeholders
- Strong written and oral communication skills.
- Extremely good customer satisfaction rating from the clients.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Senior ABAP Technical lead

SODEXO USA, INC - Buffalo, NY -

2017-08 - Present

Interfaces, Reports, Forms (ROTH Acquisition Project):

FICO Module:

- Created inbound interface to create and change Internal Orders and update status accordingly.
- Upon successful creation or change of internal order trigger outbound acknowledgement idoc to ROTH system
- ALE setup for Customer and Vendor master outbound interfaces to ROTH.
- Created a custom segment to be populated in all outbound interfaces for ESB (Middleware) team. This segment would have certain unique values for ESB team to read and evaluate the idoc.
- Incoming invoice posting through idoc. This invoice will be posted with reference to a purchase order. GR will be automatically done in the system, prior to posting the invoice.
- Extended Customer master screen to hold additional custom data fields for internal reporting purpose. Additional Data tab enabled for specific account group.
- Designed and created custom idoc with invoice data from ROTH system to validate incoming data and internally create INVOIC01 idoc to post the invoice into SAP.
- Enhanced the standard internal order screen to add custom fields to hold the Site/Location id, service type and customer number with customer PO number.

#### SD/MM Module:

- Created a custom idoc to process both Purchase orders for create (PORDCR103) and change (PORDCH02). A custom wrapper function module was created to process both types of idocs.
- Enabled and configured EDI output for Purchase orders.
- Designed and Created custom inbound idoc for creating a service order. Created custom inbound function module to create the sales order through BAPI\_SALESORDER\_CREATEFROMDAT2.

#### PS Module:

- Merged standard WBS element idocs and Network activity idocs into one single custom idoc structure and wrote custom function modules to trigger them to ROTH system.

#### Reports/Conversion

- Created conversion programs for initial upload of Customer, Vendor, Internal Orders, Contracts, service orders with reference to contracts, open sales order and open purchase orders in SAP based on the upload files sent from the legacy system.
- Each location has Developed module pool programming to manually create/update Contracts and create sales order with reference to contracts.
- Developed reports for PS module.

#### Smartforms

- Developed custom print program and custom forms for Purchase order (Copied MEDRUCK and made additional changes)
- Developed forms and print programs for printing Work Order and Contract invoices.

### **SAP ABAP Lead Developer**

TYSON FOODS INC - Fayetteville, AR -

2014-04 - 2017-08

Fayetteville - AR Duration: April 2014 - August 2017

SAP Version: ECC6.0, Modules: SAP IM/MM, MM Role: SAP ABAP Lead Developer/  
Techno-Functional SD/MM

Interfaces, Reports, Adobe Forms:

FI Module

- Weighted average days report: This program used logical database DDF to select customer items and create five reports: Customers by Selling Group, Top 25 Customers by Amount, Bottom 25 Customers by Amount, Top 25 Customers by weighted Days, Bottom 25 Customers by Weighted Days. If no selection is made, a report of all customers with a balance will be printed.

- Used BAPI FM 'BAPI\_COPAACTUALS\_POSTCOSTDATA' to post reclass entries for existing co-pa records.

- US revenue agencies request data from SAP in a specific format. This tool will extract General Ledger data from SAP to the text file in the specific format. Data was extracted from skat, ska1, glt0, bkpfi, bseg, skb1, t001, glpca, glpct, ecmca.

The selection screen has options to select where the file needs to be written, app.server or presentation server. Users also had to option to select which report is to be generated

(i) Chart of Accounts report (SKAT)

(ii) Account balances report (GLT0),

(iii) Account Documents Report (BKPF),

(iv) GLPCA Report

(v) GLPCT Report

(vi) ECMCA Report

#### SD/MM Module

- PRODUCT ALLOCATION: Custom product allocation development.

Created several enhancement points, implemented several user-exits before and after ATP call, user-exits during PA determination.

- Implemented logic to trigger an ASN (Basic type /CWM/DELVR07, extension ZDELVR07EX) during reverse PGI of delivery.

- Custom global template development for EDI 846 (Inventory data):

Certain customers require flat file and some require as EDI. This was developed to create flat file (any format like, .dat, .csv, .txt), variable file prefix, variable date, time format, FTP or SFTP file type, customer specific date format, data based on batch level, or inventory level or batch data by production date, selected fields for file or idoc.

- Developed remote function modules to determine the shelf life of a material by ship-to customer, customer hierarchy 03, material number from the condition records. Internally used function module CLAF\_CLASSIFICATION\_OF\_OBJECTS to read the classification value from condition table KONDD.

- Extended custom idoc type DELVR07 to populate Shelf life of material from material master and customer requested date from sales order.

- Extended custom idoc type DELVR07 for WALMART to populate GTIN numbers for each material from table MEAN.

- Developed RFC function modules for EDI team to extract data from SAP.

- Created Outbound Interfaces for General Mills to send Material Movement information and current inventory of GM products maintained at Tyson plants.

- Enhanced DELVR07 idoc type with custom segments with data whenever Delivery is PGI'd.

- Process inbound idoc received from legacy system and update Shipment complete indicator in delivery and send Shipment complete status back to legacy system (WMS).

- Trigger batch hold status to OCS (Outside Cold Storage) and WMS (Warehouse Management System) plants via custom idoc message when status is changed and when Notifications are created or closed. Also, re-trigger ASN for stock in-transit.

- Developed Catch Weight Tolerance report to display all HU data of material documents that are under tolerance or over tolerance.

- Trigger Chep pallets data from material documents (MSEG) to receiving plants through custom idoc type.
- Created Adobe Form for Route Sales Order to print the order details.
- Created Adobe forms to print HU labels
- Inbound Orders processing function module developed for ORDERS05 idoc type.
- Developed Re-direct program to change shipments from one receiving plant to another receiving plant.
- Made changes to Shipment interface and Delivery interface to trigger simultaneously, when Shipment is created or changed and planning date is filled. Created enhancement points for activity profile program RV56ABST to trigger both Shipment and Delivery idocs simultaneously.
- Worked on custom enhancements for scheduling process orders.
- Created inbound function module to receive ASN idoc and create inbound delivery and complete PGR automatically.
- Enhance inbound sales order idoc processing function module to receive delivery date in E1EDK03-001 segment and update delivery date with this date.

## **Sr. SAP ABAP CONSULTANT**

CATERPILLAR LOGISTICS SERVICES, LLC - Peoria, IL -

2011-08 - 2014-04

SAP Version: ECC6.0, Modules: SAP IM/WM, SD

Role ABAP Technical Lead Developer

Interfaces Ford of Mexico WBI retirement project:

- Involved in preparing functional and technical specifications as per the user requirements
- Developed RFdata entry screen for Audit Reporting. Audit report generated using Smartforms.
- User exit USEREXIT\_SAVE\_DOCUMENT of MV50AFZ1 modified to identify existing open shipment and use for current outbound delivery than creating a new Shipment.
- Developed inbound interface for Sales order create/Change (Idoc Type: SALESORDER\_CREATEFROMDAT202).

## **Sr.SAP ABAP CONSULTANT**

NIKE INC - Beaverton, OR -

2009-08 - 2011-08

SAP Version: 4.6C and ECC6.0 (SAP AFS 6.3), Modules: HCM/SD/FICO

Accomplishments/ Results

Interfaces:

- Created custom Proforma Invoice idoc for Nike's top Japan Customer Xebio Sports.
- Several outbound interfaces were converted from flat files to XML output using the Simple Transformation and the corresponding XSD schema was also generated
- All Idocs generated out of SAP will be in XML format. All ports changed from File Port to XML port.
- Remediated 46C programs and function modules that are used for both Inbound and outbound Interfaces to comply with ECC60 standards.
- Created Inbound Interface from SIEBEL to SAP and outbound interface from SAP to SIEBEL to receive/send HR (sales rep) details.

- Created ALE interface for /AFS/ORDERS05 (Message type ORDERS, ORDRSP), /AFS/INVOIC02 (Message Type INVOIC)
- Created Badis, Explicit Enhancement spots and remediated some of the inbound user exits for Order creation using Badis
- Enable ALE settings for the new Oracle Fusion middleware for Customer Master (DEBMAS).

#### Enhancements and User Exits:

- Provided solution to Grey out certain Date types in infotype 41(Date specifications) for certain users using implicit Enhancement spot
- Enhanced core SAP functionality using user exits to meet AFS customer's requirements

#### Custom Program:

- Programs to generate Simple transformations for XML files.

#### Upgrade and support activities:

- Created OSS messages and implemented them.
- Provided valued solutions to fix some of the existing 46C issues.
- Reviewed the functional requirement, and prepared high level design and detailed technical design specifications

## **Sr. SAP ABAP CONSULTANT**

WEYERHAEUSER - Federal Way, WA -

2005-02 - 2009-07

SAP Version: 4.6C and ECC6.0, Modules: FICO/MM/PM/HCM/SD

#### Accomplishments/ Results

#### Reports:

- Developed Report Program to extract Qualification Profile for given employees in Transaction PA30 for info type 0024.
- Developed custom program for Sickness history Report and display payroll results.
- Developed and implemented web report for Vendor Master related data using Webdynpro components. Created Views, UI element and Layout design.
- Developed Report Program to Reset CATS entries in CATSDB Table.

#### Quote to Cash - ATP

- Developed report to display ATP Availability quantities for material group or material and plant group or plant. This report was a highly complex report with quantities showing up in different buckets, like, Onground, Current, Week1, Week2, Week3..up to Week12. This report was further optimized to give the quantities for week starting Thursday to Wednesday instead of Monday to Sunday.
- Developed purging program to purge entries from specific tables. Custom authorization groups also created.

#### Conversions:

- Created conversion programs for Info types: 0002 Personal Data, 0006 Addresses, 0021 Family Members/ Dependents, 0009 Bank Details, 0105 Communications.
- Developed Conversion Programs to Terminate Mass Employees in SAP.
- Using SAP TCode PA40, enter personnel number and date from the file. Select the Action Type 'Termination' and execute. Save all info type screens that appear after execution.

#### RFCs:

- CAT2RFC: RFCs developed for Portal to extract CAT2 information, like, timesheets, worklist, Organizational data etc.

RFC #1: List of employees attached to Org Unit for Employee group profile

#2: Worklist details for which the employee is going to charge time

#3: Wrapper BAPI for CATS\_READ\_TIMESHEET\_DATA for multiple personnel no. and return timesheets for the same.

#4: Wrapper RFC to lock all employee record based on the personnel list.

#5: Unlocking the time sheet for a given personnel list.

#### Dialog Programming:

- Dialog program to display all materials from all plant group, enter customer info (sold-to, ship-to, inco terms, payment terms, shipping condition), freight amount, select material add to shopping cart and create order.
- Account Recon. Notification Module - Module pool application program developed to send email notifications to the specific recipients. Templates were created and dynamic SQL query used to retrieve the data and resolve the recipient addresses. The templates contain information about the body of the message, 'To' and 'Cc' recipients. The preview of the templates is displayed in a HTML container. A log is maintained for the messages that were sent successfully and that ended in errors.
- Accounts Reconciliation Tool - Custom tool brings out all the info for the company's audit purpose. The users will be sent mails to approve and reconcile the G/L accounts and profit centers they are responsible for. The data is periodically extracted and reconciled by the users.

#### Interfaces:

- Extended EXPINV04 (Foreign Trade - billing doc.) Idoc type to include customs broker for customs that leaves Canada to US. Sent for every truck/rail shipment that leaves Canada to US. Enhancement done in the user exit EXIT\_SAPLVEDF\_002.
- AP Automation - Integration of Maximo and SAP system.

Interface 1 (Inbound): Purchase Order Create IDoc type: PORDCR102

Interface 2 (Inbound): Purchase Order Change IDoc type: PORDCH02

Interface 3 (Inbound): Good receipt IDoc type: MBGMCR03 - Custom function module, custom process code developed.

Interface 4 (Outbound): Invoice Receipt Custom IDoc type: ZFINVO, custom program developed

Interface 5 (Outbound): Filenet Metadata Backpopulate Filebased interface

Interface 6 (Inbound): Filenet Metadata acknowledgement Custom IDoc: ZFAP\_DEL\_ARCHLINK, Custom func.module & custom process code developed - To delete the archive links in SAP if the doc.type is EXP and the scanned filenet images contain confidential data.

- Outsource Check Printing - Created new inbound IDOC for receiving acknowledgements from the bank for the outsource check printing.
- Extended IDOC SHPMNT to suit customer requirements and modified the appropriate user-exits to populate the custom segments and fields.
- Wire Transfer Interface - Outbound interface was developed to send flat files to Bank of America and Royal Bank of Canada to process the Wire Payments.

#### SAPscripts/Smartforms:

- Project Glinda - A new co.code introduced and the related Sapscripts & Smartforms changed with new logo.
- Asset Accounting & Tax Management Reports - Complex ALV reports developed to display relevant depreciation details.
- Substitution Exit (OBBH) routine developed to substitute the transaction type.

#### Enhancements:

- Customer search help extended to display addl. Search criteria in a separate tab.
- FI Substitution exit (OB28): To substitute the Distribution Center Profit Center with the Producing Mill Profit Center.
- Worked on a screen exit for VA01/VA02 transaction. Extended table VBAK for this.
- Worked on VOFM routine for Invoice Split and to divide Shipment Cost across shipments in each leg.

#### Production Support:

Role: SAP Technical Team Lead (Offshore/Onsite)

#### User Exit IEQM0007 (Tcode IE01) to change Manufacturer Data

A search help was created to populate the manufacturer's name and populate into a field. Until the user selects a name from the list, the list keeps popping up.

#### FS Item Hierarchy & PCA (Profit Center Account) Account Group Master Data Report:

- This report would list down the difference between PCA Account Groups and FS Item Hierarchy and Master Data, but would not change the master data automatically.
- The comparison report generates the Hierarchy List of the Financial Statement Item and the PCA Account Group. The difference in either list is displayed in an ALV with OOPs concepts. The user can then modify the nodes appropriately.
- Developed a Fiber Interface program to read a flat file from the application server and create the Purchase Order, Goods Receipt and Invoice Verification through BDC's. When any error occurs while reading the file from application server a mail is sent to the appropriate email id.
- Later the above program was modified to change from BDCs to BAPI.

### **Sr. SAP ABAP CONSULTANT**

GE POWER SYSTEMS -

2004-06 - 2005-01

SAP Version: 4.6C, Modules: HCM / FICO / PS

Accomplishments/ Results

#### Conversion/Reports/Interfaces:

- Post GEPS (GE Power Systems) Payroll Distribution file to G/L - The Payroll General Ledger (GL) Interface provides a mechanism to post entries from the Payroll application into the General Ledger module of the SAP R/3 system. BAPI\_ACC\_GL\_POSTING\_POST used to do the posting.
- PS Milestone Analysis Report - Generated an ALV report for Tcode CNMT. On Execution of CNMT the output of the Project Maintenance Milestone Analysis Report derived a Graph, but the requirement was to generate an ALV report. A program similar to the existing standard SAP program was cloned and the code was modified to display the Milestone No. (MLST\_ZAEHL), Project No. (OBJNR), WBS Element (PROJN), Network/Order No. (AUFNR), Activity (APLZL) & Description (LTXA1), Milestone's Target Date (TEDAT) & Actual Date (LST\_ACTDT), Variance in Milestones and a comment depending upon the variance whether the project is as per schedule or ahead of schedule or behind schedule. The program was mainly cloned so that other functionalities of the existing program are not deterred.
- Infinium & IBS (Intercompany Billing System) - Developed ALV reports for generating the Error logs of the Idocs which are being posted through the Tcode MIRO (PO Related) & FB60 (Non-PO related). The report gives full details of the document nos., Idoc Nos., Processing Date & time, Invoice No., Remittance Advice No., their respective statuses, Customer no. & name, Vendor No. & name etc.

- Outbound interface to Infinium: Periodically send Transactional Data fiscal period wise from SAP R/3 to Infinium System.
- Upload G/L Header data for F-02 using BDC.
- Prepared technical design documents and test cases as per GE standards

## **SAP ABAP CONSULTANT**

Welker Engg. Ltd - Houston, TX -

2002-08 - 2004-05

SAP Version: 4.6C

Accomplishments/ Results

### Batch Data Communication

- Batch Input program for transaction XD01 to upload customer Master Data from Legacy System.
- Batch input program for transaction FK01 to transfer the vendor address into R/3 system.
- Batch Input Program for transaction FS00 to upload General Ledger Data from Legacy System into R/3 system.
- Batch Input Program for transaction XK01 to upload Vendor Master Data from Legacy System.

### Custom reports

- Inventory summary report for FI for submission to Banks and Financial Institutions.
- Interactive Report programming to display Account Groups, G/L Accounts List, and Document List posted till date.
- Created FI ledger reports, Late payment programs, Consolidation Mismatch elimination report, etc.
- Comparison sales - current year with previous year Customer wise and sales area wise details.
- Commission report for the Sales department sorted by Sales Representative. Data retrieved using VBAK, VBAP, KONV, & MARA Tables.

### SAPscript Programs

- Modified SAPscript Print programs and Layouts in FI, SD, MM areas such as Customer Invoice (RVINVOICE01), One-time vendor invoice, PO (RVORDER01), etc.

LinkedIn profile: <http://www.linkedin.com/in/subbupalaniappan>

## **EDUCATION**

### **Master's**

### **SKILLS**

ABAP, SAP, AP, HTML, SQL

### **LINKS**

<http://www.linkedin.com/in/subbupalaniappan>



## ADDITIONAL INFORMATION

### SKILLS:

ERP: SAP R/3 4.6C/4.7E / ECC 6.0 UNICODE ENABLED, AFS6.3

Programming Languages: ABAP, C++, Java, VB.NET, JavaScript, JSP, BSP, ASP, VBScript, HTML, XML, C, Cobol, and SQL.

Databases: Oracle, MS SQL Server, MS Access, and MySQL.

Operating Systems: Windows NT and DOS.

SAP: Reports, BDCs, BAPIs, Menu painter, Screen painter, Workbench, Forms and SAP scripts, Dialog Programming, LDB, RFC, IDOCS, LSMW, WEBDYNPRO for ABAP, ABAP OBJECTS

SAP modules: HR/TM, MM, FI/CO, AP/AR, PM, SD, WM