**Prabhat Singh**

**SR SAP TECHNO FUNCTIONAL CONSULTANT**

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**SAP Certifications**

SAP HANA – July 2014

Rapid Deployment of SAP Solutions July 2014

Build Your Own SAP Fiori App in the Cloud March 2015

HCM Workday – December 2015

SAP Leonardo - August 2017

SAP Vora(Big Data) – August 2017

Enterprise Deep Learning with TensorFlow-December 2017

Data Science in Action-December 2017

Data Migration to SAP S/4 Hana-January 2018

**CAREER SUMMARY**

Mr. Singh is Senior SAP Software Consultant with over 14+yrs. (Since 2003) experience in the architecting, analysis, design, development and implementation of SAP SLCM, HR (Concurrent employment, Comp Mgmt., Org Mgmt., Personnel Adm, Benefits, Personnel Development, Time Mgmt., Payroll), BW, ESS, MSS, Grant, Finance Management, FICO, FICA, MM, PM, SD, PSCD, CRM, BRF/BRF+, Records Mgmt., Biller Direct, PI/XI.

He created many custom info-types, dialog modules, Web-dynpro, Share memory Objects, Model classes ABAP Objects, reports (including ‘Regulatory Reporting’, Interactive Reporting and ABAP list viewer), Adobe forms, Web Services etc. for various SAP Modules.

**TECHNICAL SKILLS**

**DBMS** Oracle, DB2, SYBASE, Microsoft Access, SQL Server

**ERP Package** SAP R/3 (3.1x to 4.7x) (4.0B to 4.7), ECC 6.0 (EHP4-7)

**Languages** ABAP/4, BSP, JSP, C, C++, Java, JDBC, Visual Basic,

**O/S** MSDOS, UNIX, Windows 3.1/95/98/NT/ME/2000, Windows XP, XP Embedded, 2000 Server.

**SAP Functional Expertise:** Human Resources (HR-Benefits, PA, Org Mgmt., PD, Time, Payroll), Finance (FICO), Material Management, Plant Maintenance, Grants Management, Funds Mgmt., CRM, BW, Enterprise Portal, Campus Management, FICA (Billing, Dunning, Collection, Write-off and Pricing), PSCD, SAP PI.

**SAP Technical Expertise:** ABAP/4, Data Dictionary, Dialog Module, Logical Database (PNP, PAP, PCH), Reports (Interactive, List Viewer), user-exits, Interfaces, BSP, iView’s, Portals, BAPI, BAdI, ALE Programming, Object Oriented Programming (OOABAP), ABAP Web-Dynpro, ALV, FI-CA events, Enhancement Points.

**Web Skills:** JavaScript, XHTML, HTML, Perl, CGI, J2EE, XML, Web Services, HTML5, UI5, CSS3, JQuery, JASON, Ajax, SAML 2.0

**SAP Development Tool sets**: SAP Workbench, Enhancement Switch Framework, BRF/BRF +, CMOD, SAP Web IDE, Eclipse tools, Hybrid Application Development Toolkit

**SAP BW and Business Object: -** Generic/enhanced Data Sources, Info Cube, Multi Provider, DSO, Transfer rules, Update rules, Info Set, Info Sources, Transfer/Update/Start Routines, Process Chain, Event management and CMOD user-exit.

**SAP Mobility:** OData Services,Persona, Fiori.

**SAP Software/Tools development**

**Student Accounting Rate Rollover Tool -** Designed and developed for SAP SLCM Higher education customers – detailed information upon request.

**SAP SLCM data Migration tool: -** Details upon request

**SAP SLCM Mobile Apps for Student Self-service and Instructor –** Built Fiori apps for SAP **SLCM (IS-HER)** Module for Student Self-Service and Faculty Self-Service – Details upon request.

**SAP PM Fiori apps for Work order Maintenance, Notification: -**  Details upon request

**SAP-Workday Connector: -** Build a SAP-WORKDAY connector to keep SAP sync with Workday. Detail upon request.

**EDUCATION**

**BS Computer Engineering, G.B. Pant University of Agriculture and Technologies, India 1999-2003**

**Languages: English, Hindi, German**

**International Mentoring and Assessments projects**

**Tokyo University of Science /University of Lahore**

**Project: SAP ECC 6.0(EHP7) HANA and SLcM**

**Role:** Was contacted by SAP AG to be Project mentor/Offsite functional Lead. All teams report to me via Project Manager for Functional/Technical Queries relating to SAP SLCM/FICA (PSCD), CRM.

**DuocUC: Santiago, Chile**

**Project:** **SAP ECC 6.0 and SLCM 6.0 Assessment**

**Role: Senior SAP Campus Management (SLcM) Functional**

I did assessment for this client with SAP Latin America support consultants. I was involved in interviewing client and writing recommendations and suggestions.

**CONSULTING ASSIGNMENTS**

**Avnet December 2016 – Current**

**Project SAP and Workday Integration**

**Role: Sr. SAP HCM solution Architect**

I was engaged in designing and building/coding of SAP and Workday integration. Avnet is using this connector for 40 countries.

It is integrating following components of SAP and Workday.

1. PECI connector
2. Job Connector
3. Organization Connector
4. Position connector
5. Accrual connector
6. Cost Center
7. SAP Payroll ID
8. External Employees(Contractor)

* Configured New work schedules
* Configured Wage types to allow workday payment model
* Configured number range and change to feature
* Troubleshooted and resolve issues with SAP HR/OM related configurations or mismatch between SAP and workday.

**John Deere June 2015 – November 2016**

**Project: SAP ECC 6.0, PI 7.1(EHP7)**

**Role: Sr. SAP HR/PI Technical Consultant**

Engaged in Technical Specification Design and Development of HR Interfaces.

Design and Build Interface framework to be used by All HR interface to reduce Interface development time. It reduced the development effort of any new interface from 3 weeks to a week time.

Design and developed Payroll Interface for JDPAC, Fidelity, Pension, FHA/FRA, Stock Pension and Earning etc.

Created new Message type, Distribution model and build a generic method to send SAP data to PI via proxy, IDOCs, BODS.

Developed Payroll Function and Schemas for Union Arrear.

Build SAP Fiori app for Employees Pay stub.

Build ADP Global View connector which is being used for John Deere Canadian Employees.

**Medimmune LLC August 2014 – May 2015**

**Project: SAP ECC 6.0, PI HCM (Payroll –Workday integration)**

**Role: Sr. SAP HR, Solution Architect, Techno/Functional Consultant**

Engaged in requirement definitions, functional specification, configuration, Workday Conversion and Technical design for the US team.

PICOF Connector: Developed a payroll connector to Integrate SAP and Workday using PICOF extractor.

**Northern Kentucky University, Highland height, KY Dec 2007 – July 2014**

**Project: SAP ECC 6.0(EHP4-6), HR, FI-CA, FI-CO, SLCM EHP6, BW and Business Object Implementation and Support**

**Role: Senior Techno-Functional SAP HR, ECM, Travel management, FI-CA, FI-CO, PSCD and Campus Management (SLcM) consultant and Solution architect**

Engaged in requirement definitions, functional specifications, Configuration and technical design for technical team.

* Was involved in resolving ABAP/Basis related configuration/Parameters and installation issues
* Heavily involved in building academic/org structure for student life-cycle management and Configured Evaluation Path for admission application
* Developed Admission application using BSP
* Design and Developed Correspondence using Correspondence workbench for SAP SLCM, FI-CA(PSCD), HR. We used Adobe forms/PDF forms
* Implemented various Filter/Non-filter BAdIs
* Designed and Developed BW extractor for SAP SLCM. Submitted OSS message to fix issues with BW extractor function modules
* Designed and Developed Various FI-CA (PSCD) events for Cash desk, Payment lot, Student account statement, Biller direct, Collection, write-off etc.
* Configured FI-CA for Student Pricing, Cash Desk, Payment lot, Dunning, write-off, Collection and Interest calculation process
* Setup ALE to send Pricing conditions to QA and Production system and Monitoring ALE
* Extensively used Post Processing Framework (BRF and BRF +) for SAP SLCM to trigger various post processes as send admission confirmation e-mail, Create User in LDAP/All Card etc.
* Migrated VSR Academic and Progression rules to BRF+ framework.
* Configured student Records management to save student photos, External transcripts and resume.
* Integrated Pay metrics with SAP Biller direct and Student accounting, this was first SAP FI-CA and Pay metrics integration project. I modified Biller direct to add tokenization and Data intercept to biller direct application as well as configured and developed web-services and settlement process.
* Designed and Developed various ABAP web-dynpro for Student self-service
* I was involved in year end BSI tax update and W2 form corrections and EHP upgrades
* I was supporting Time-Management issues related to CATS.
* Worked on travel request workflow and added save as draft functionality in travel request which SAP delivered in Later Enhancement Pack
* Developed remuneration statement for employee self-service
* Developed Address update forms using HR renewal forms
* Created/Configured various benefit plan web services
* Developed various HCM forms for Staffs (Instructors)
* Enhanced various checks for open enrollments
* Updated Time-management schema
* Configured and developed Dunning process using FI-CA for Higher Education industry (SAP SLcM)
* Automated the mass processing activity using FI-CA events
* Worked on Budget and Grant workflows
* Added tab to Asset Master and Fixed the asset Master security issue
* Added Grant validation check in SAP VSR
* Designed ABAP web-dynpro framework for Cost Center, fund and Fund center creation request approval process workflow.

**Medtronic Inc., Minneapolis, MN Dec 2010 – March 2011**

**Project:** **SAP 4.7 upgrade to ECC 6.0 LO**

**Role: Senior SAP (ABAP/BSP) Technical Lead Consultant**

I developed BSP application for Manufacturing Cockpit. Medtronic uses this application to Packaging Handling unit and deliveries. I wrote a JavaScript to parser to Handling unit details. Manufacturing Cockpit application uses JavaScript to parse Handling unit detail feed from Scan gun. Developed the Same application in ABAP web-dynpro using Object Oriented Programming (Model Class) using POWL.

**Broward County Public Schools, Fort Lauderdale, FL June 2007 – November 2007**

**Project:** **SAP 4.0B HR and Payroll Support**

**Role: Worked as Technical Lead for SAP 4.0B HR and Payroll Support**

I was involved in supporting their SAP HR and Payroll issue that include manually updating BSI tax tables , Fixing their W2 forms because SAP was not supporting/discontinue the 4.0B version at that year onward. I also resolved any issue related Time Management/CATS.

**Citrix Systems Inc. (HQ), Fort Lauderdale, FL April 2007-June 2007**

**Project:** **R/3 SAP R/3 4.6 c to ECC 6.0 Upgrade and enhancement project (Nucleus)**

**Role: Senior SAP Technical Consultant (HR, MM and SD)**

* Involved in requirement definitions, functional specifications and technical design for technical team.
* Involve in fixing upgrade issues and development of enhancements.
* Created LSMW script to create and extend material master
* Involved in creating new pricing and requirement for transaction DP90.
* Involve in development of Time management year-end reporting (read info-type 2006) and update (info-type 2013 Quota correction) program.

**Central Michigan University, Mount Pleasant, MI October 2005 – March 2007**

**Project:** **SAP R/3 4.72 SAP SLCM Implementation**

**Role: Senior SAP HR and Campus Management Technical Consultant and Solution Architect**

Engaged in requirement definitions, functional specifications and technical design for technical team.

* Heavily involved in resolving ABAP/Basis related configuration/Parameters and installation issues

Involved in Development of various RFC enabled Function Modules for these applications

Web grade, Academic history, Grade, Student registration and Module booking, Admin Registration, Course Search, Class list, Event and event packages ASP pages are calling these RFCs using SAP .net connector.

* Created Custom info-types for graduation, Qualification, Post graduation.
* Attached Custom Info-types to Student File or student Mater data.
* Involved in developing interfaces to update CM system from their mainframe systems (Infinet, Pro SAM etc.)
* Conversion programs using BDC and BAPI (Student Demographic, Admission, Registration, Graduation Info-type, Event and event packages, Grant master etc.)
* Custom reports for CM module.
* Develop a BDC program to hire Students (Teaching Assistants) and update their Demographic and basic pay.
* Develop various Dialog program and transaction (Mass add and Drop booking, Account receivable, Admission, Transfer equivalency etc.)
* Developed various Smart forms
* Used HR Logical database for various reports.
* Develop a program to send e-mail
* Implemented various BADIs (Default cancellation reason for booking, Sessional registration, Module Booking, Grading etc.)
* Involved in performance tuning of Reports, Interfaces and conversion programs

**Broward County Public Schools, Fort Lauderdale, FL March 2005 – October 2005**

**Project:** **SAP R/3 SAP CRM 4.0 Implementation Customer Interaction Center (CIC Web Client); Internet Customer Self Service (ICSS), Enterprise Portal (6.0) and BW (3.5) implementation**

**Role: Technical Lead for CRM (4.0), Portal (6.0) and BW (3.5) implementation**

Engaged in requirement definitions, functional specifications and technical design for technical team. Broward County Public School is using SAP CRM system as an Internal Help desk.

* Setup ALE using transaction SALE.
* Imported business package for CRM and configured the CRM content for ICSS and Interaction Center inside portal.
* Involved in setting up SSO between portal, BW and CRM.
* Created iView’s, pages, work sets and roles inside portal.
* Created iView’s to show BW reports inside portal.
* Created Distribution Model for HR Master Data transfer between HR and CRM system (40,000+ employees) using transaction BD64 and Message type HRMD\_ABA.
* Configured Change Pointer for ALE HR master data transfer.
* Developed BSP Applications for Customer Interaction Centre (CIC)
* Developed and Fixed ICSS (Internet Customer Self Service) JSP pages according to Broward county public school’s requirement.
* Develop conversion Programs (periodic) using BAPI for Knowledge base conversion and symptom and solutions.
* Develop an update Program to Remove Business Partner address.
* Develop Program to Update E-mail id of all the employees in HR System.
* Develop Program to create User in CRM system using transaction SU01.
* Configured Number range of for Business partner (HR Employee)
* Implemented various BADIs (agent inbox, ticket escalation etc.).
* Used XML Editor for routing New IC BSP Application BSP pages for various roles of CRM users.
* Modified SAP Delivered Controller class to add Search by Employee Number.
* Develop a Smart form for CRM Ticket Using Logo of BCPS.
* Configure sap delivered Workflow to escalate ticket after certain day.
* Involved in performance tuning of Reports, Interfaces and conversion programs

**Brevard County, Melbourne, Florida August 2004 – March 2005**

**Project:** **Technical lead for upgrade from 4.0 B to 4.7 (Enterprise) for HR, AP, AM, GL, CO, FM, MM.**

**Role: Technical lead for upgrade from 4.0 B to 4.7 (Enterprise) for HR, AP, AM, GL, CO, FM, MM.**

Engaged in requirement definitions, functional specifications and technical design for technical team.

* Develop various Conversion program for these modules HR (5000+ employees), Payroll (USA), Time, Grants, Asset Funds management, Material Management Plant Management using BAPI and BDC.
* Developed Conversion program for Time management quota correction (info-type 2013)
* Created custom tables to maintain Salary Inc and Worker Comp Inc.
* Implemented BADI enhancements to support user defined budget entry document checks
* Setup customized levels of budget entry document approval workflow and defined user specified role resolution criteria
* Responsible for preparation of design of data conversion strategies and go-live and post-implementation support for the GM module
* Implemented User Exit to handle Integration of MM/AM with GM when assets are acquired via Purchase Orders charged to a Grant and internal order. Formulated custom Grants Billing program since client did not implement Sales and Distribution module.
* Formulated strategy and interface programs for uploading Master Data for Sponsors, Sponsored Classes, Sponsored Programs, Grant Master data using a combination of BAPIs and BDC programs for the complex data screens
* Customized Grant Master data entry screen by lifecycle status as required
* Develop BAPI For Grant Master Conversion.
* Develop program to Load Budget proposal using BAPI.
* Develop program to fix payroll cluster.
* Developed various Interface Programs
* Created custom Transaction for executing custom interface
* Involve in workflow implementations
* Built Ad-hoc Query using logical databases
* Involved in various report programs using logical database PCH and PNP.
* Created tables, fields, data elements, domains etc.
* Developed various SAP Script forms
* Involved in ALE Setup
* Used LSMW for material master conversion
* Involved in performance tuning of Reports, Interfaces and conversion programs

**Universal Systems Technologies, Inc. Bangalore, INDIA July 2003-August 2004**

**Role: System Analyst Consultant**

Developed web based applications using Internet Information Services, Java, and HTML

Created web-forms using Java Scripts and JSP**,** Visual Basic, C++, Java, HTML, Java Scripts, PHP, Windows

2000/NT/98/95/ME.