**Charan**

**Sr. SAP ABAP Consultant**

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**PROFESSIONAL SUMMARY:**

* With over 10 years of experience as an **SAP** **ABAP** and **ABAP** on **HANA** consultant, with hands-on implementation and production support in various functional areas such as **SD/OTC**, **MM/P2P**, **FICO**, **RTR**, **SCM, IM, WM, PP, QM, PS, PM, HCM, RAR, VISTEX, MDG,** and **APO.**
* Extensive experience in working with **HANA AMDP**, **ALV IDA**, **ADBC, CDS** view, ODATA, Advanced open SQL, Native **SQL HANA** proxies, Code push down, and SQL Script.
* Extensively worked on classical and interactive reports, dialog programming, interfaces, Batch Data Communication (BDC), **ABAP** Object-Oriented Programs (OOP), SAP Scripts, Smart forms, ADOBE forms, Legacy System Migration Workbench (**LSMW**), ABAP LIST VIEWER (**ALV**), Data Dictionary, **BAPI**, BADI's, RFC's, Proxy, SAP Job Scheduling, ABAP Debugging, User exits, Enhancements, and Cross-applications such as ALE, IDOC's, and Batch Job management. Gained expertise in custom authorization objects and roles, as well as performance tuning.
* Proficient in **FICO** General Ledger posting and reversing, accounts payable, accounts receivable, asset accounting, SD (sales order, invoicing, pricing), integration **RFC** with other systems, PP (production order, process order, **BOM**, and integration), and MM (purchase order, purchase requisition, planning, material management enhancements).
* Possess good knowledge of **CSS/HTML5**/**JavaScript**.
* Demonstrated strong analytical skills, evaluation capabilities, and excellent communication skills to compile and explain SAP insights.
* Extensive experience in onsite-offshore involved projects, client interaction, requirement gathering, cost and resource estimation, and project management. As a team member and team lead, successfully delivered projects using various methodologies, including Agile.
* Proficient in debugging skills, performance tuning, testing, and optimization of reports in system integration and user acceptance testing, **SQL**, Syntax Check, Extended Program Check, and short dump analysis ST22.
* Extensively worked on performance issues and analyzed code performance using **ST05**, SE30, and ST12.
* Expertise in **ABAP/4** workbench developing Reports like Classical, Interactive, and **ALVs** and **OOALVs**.
* Experienced in RICEFW (Reports, Interfaces, Conversions, Enhancements, Forms & Workflows).
* Experienced in data migration and legacy data migration to SAP.
* Proficient in **ABAP** Test Cockpit (ATC), Code Inspector (CI), Extended Check (EC), and Code Vulnerability Analyzer (CVA), as well as performance tuning to optimize the code and ITIL process.
* Experienced in upgradation with t-codes SPAU & SPDD, migration, and cutover activity.
* Experienced in different SD components and Vistex.
* Experienced in **FTP** and **SFTP** server connection.
* Experienced in **HANA** **1709** and **1909** implementations.
* Experienced in **OTC**, **SCM**, and **WM**.
* Experienced in **OO** **ABAP** and other advanced **ABAP**.
* Experienced in Software Development Lifecycle (**SDLC**).
* Experienced in **LSMW** and other data migration tools.
* Experienced in different kinds of LUW logics and their functions.
* Experienced in **FICO** G/L (General ledger), AP (Accounts payable), AR (Accounts Receivable), and Asset accounting.
* Experienced in module pool programming with Menus, Screens, and other required functionalities.
* Experienced in **ABAP** performance optimization and strongly follow the SLAs.
* Experienced in **SOLMON** system usage and **CHARM** for transports.
* Experienced in **HANA** and **S/4HANA**.
* Experienced in **COE** (Center of Excellence) teamwork.
* Expertise in **OOP** **ABAP** in various applications.
* Expertise in **ODATA**, NetWeaver Gateway, Webservice **SOAP** **UI**, **RESTful** services, **API**, and **XML** interfaces with **HTTP** requests to **GET, PUT, POST**, and **DELETE** data between **SAP** and non-**SAP** applications.
* Expertise in developing and designing layouts using **SAP** Scripts and **SMARTFORMS**.
* Expertise in interfaces like **BAPI**, **RFC**, **EDI**, **IDOC**, **BTP** and **ABAP** Proxies.
* Strong exposure to modules like Sales and Distribution (SD), Logistics Execution (LE), Apparel and Footwear (AFS), Material Management (MM), Warehouse Management (WM), Finance and Controlling (FI/CO), and Plant Maintenance (PM), Production Planning (PP).
* Identified and applied OSS Notes and **ODATA**.
* Experienced in SAP enhancements like User Exits, **BADIs**, and Enhancement Frameworks to add functionality to standard SAP systems. Proficient in object-oriented programming, **BRF**, and **BRF** plus.
* Skilled in estimating time for **SAP** Object Delivery, Code Review, Preparing Unit Test Results, and handling Quality Assurance as per the Coding Standards.
* Expertise in code review and solving performance issues.

**KEY SKILLS**

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| --- | --- |
| SAP ABAP Technologies | AMDP, ALV IDA, ADBC, CDS, ODATA, SQL Script |
| SAP Modules | SD, MM, FICO, SCM, WM, PP, QM, PS, PM, HCM, RAR, VISTEX, MDG, APO |
| Programming Skills | ABAP, OO ABAP, HTML5, CSS, JavaScript |
| Reports and Forms | Classical Reports, Interactive Reports, ALVs, OOALVs, SAP Scripts, Smart Forms, Adobe Forms |
| Data Migration | LSMW, Data Dictionary, Performance Tuning (ST05, SE30, ST12) |
| Integration | BAPI, RFC, EDI, IDoc, Proxies, ODATA, BTP,SOAP UI, RESTful services |
| Project Management | Requirement Gathering, Estimation, Agile, Onsite-Offshore Coordination |
| Performance Optimization | Debugging, Code Inspector, ATC, CVA, Performance Analysis (ST22) |
| Tools and Environments | HANA, S4 HANA, Solution Manager, CHaRM, SQL |

**PROFESSIONAL ATTRIBUTES**

* **Analytical Skills**: Strong evaluation and problem-solving capabilities
* **Communication**: Excellent in explaining technical insights to stakeholders
* **Adaptability**: Quick learner with the ability to adapt to new technologies and methodologies
* **Teamwork**: Proven ability to work both independently and as part of a team
* **Leadership**: Experience in leading projects and providing technical guidance

**PROJECT DETAILS:**

**Iopex/T-Mobile - San Jose, CA Jan 2023 - Present**

**Role : Sr. SAP ABAP CONSULTANT**

**Responsibilities:**

* Collaborated with functional teams and business users to deliver objects on time, ensuring effective communication and project success.
* Conducted technical reviews of specifications and code developed by the development team, ensuring high-quality deliverables.
* Designed and developed custom **IDOCs**, extending standard **IDOCs** to meet business requirements.
* Created custom reports for user management, role assignment, and data loads using **ABAP**, **BTP** and **BAPIs**.
* Resolved article replication issues between **MDG** and **S4** systems using **BADI** enhancements.
* Developed a customer neo-order interface and uploaded files for BTP integration.
* Created a custom **ABAP** report for mass **PO**/**STO** creation with advanced features like email logging and background processing.
* Designed and developed an auto-replenishment tool for DC and store levels, automating STO creation in the S4 system.
* Developed an interface for Life Cycle Analyzer (LCA) to update **MVKE** and **MARA** tables using **BADI**.
* Created a mass upload tool for supply protection objects, overcoming limitations in standard **SAP** **API**.
* Developed custom CDS views to support business requirements.
* Customized **CHARM** (**SOLMAN**) and schedule conditions using **BADI** enhancements.
* Wrote extensive documentation on each design & development work.
* Used the **ABAP** runtime analysis tool, **SQL** Trace, **BTP** System dump analysis to analyze and improve runtime performance of the existing **ABAP** programs.
* Involved in Debugging using **ABAP** debugger, runtime Debugging Analysis, solving problems, including research, driving to Root Cause, and creating efficient solutions.

**Accenture - Dallas, TX June 2021 – Dec 2022**

**Role : Sr. ABAP CONSULTANT**

**Responsibilities:**

* Interacted with functional teams and business users to ensure timely delivery of project components.
* Served as Technical Lead, overseeing the development and on-time delivery of all **OTC-SD** and **FICO** modules.
* Engaged with clients to understand business requirements, conducted requirement analysis, and proposed and developed feasible solutions.
* Designed and developed **CDS** views to provide comprehensive quotation details, integrating various related information for a bird's eye view.
* Developed **ODATA** services for **RFC** to push data from SAP to a third-party tool and processed inbound results from the third-party DMS.
* Extended standard **SAP CDS** views and developed **ALV IDA** reports.
* Created and modified OData and CDS views for Fiori applications.
* Developed multiple **AMDPs** and integrated them with CDS views.
* Converted existing **ABAP** code to **HANA** Code to enhance program performance through code pushdown techniques (SQL, CDS, AMDP).
* Created AMDPs and consumed them in ABAP reports.
* Developed user exits for MRP Controller related to the APO module and modified user exits for **APO-ECC** transfers of planned orders.
* Worked extensively on enhancements of standard reports such as **MB52, MMBE, COR6N, VA01**, and **VA02** using the Enhancement Spot framework.
* Developed reports for subcontract delivery orders for multiple purchase orders.
* Developed FICO reports across various modules including **AP, AR**, Treasury, and **CO**.
* Created proxies for journal document checks, posting, reversal checks, and reversal inputs from the third-party tool Blackline.
* Developed custom **IDOCs** and extended standard **IDOCs**.
* Implemented enhancements to populate values for segment E1EDL41 in the basic IDOC DELVRY07.
* Extended IDOC ZWMMBID01 to process production orders, adding qualifier and serial number fields.
* Implemented implicit enhancements for **KALC** to change OBYA credit and debit accounts from Z-table while posting documents.

**General Motors - Detroit, MI Oct 2019 – May 2021**

**Role: SOFTWARE DEVELOPER**

**Responsibilities:**

* Designed, developed, and implemented complex cross-application program modules using latest SAP technologies like **SAP UI5/FIORI**.
* Created **ODATA** services with **JSON** format for data exchange and business logic, enabling **CRUD** operations and updates to **SAP** backend from web applications.
* Facilitated smooth digital transformation to Ariba and **SAP** Suite on **HANA** from data clusters, ensuring seamless integration.
* Analyzed requirements, identified technical and logical challenges, and proposed feasible solutions, demonstrating expertise in operational feasibility analysis.
* Identified SAP application and integrated technology opportunities, developing solutions for complex business problems in the SAP landscape.
* Developed detailed plans for **unit, integration, and system testing,** ensuring defect identification and minimization.
* Coordinated with technical and business groups to discuss program details, functional configuration, and data points.
* Created customized tables, views, workflows, and programs to bridge gaps in standard functionality.
* Developed process models based on business requirements, ensuring completeness of information and process components.
* Developed and maintained custom SAP objects, including screens, **RFC, BAPI, BADI**, user exits, interfaces, reports, and workflows in various modules (FI, CO, FM, SD, MM).
* Transformed business requirements into technical program specifications, coding, testing, and debugging programs with accuracy.
* Performed quality checks, code reviews, and enforced industry-standard development practices, utilizing SAP tools like Run-time analysis, **SQL Trace**, **Code** **Inspector**, and **SAP ABAP** Test Cockpit.
* Reviewed interface systems, **ABAP** code pushdown, data modeling, and optimized for **SAP HANA**.
* Developed inbound/outbound interface applications using various technologies (**BAPI**,**BTP** Remote Function calls, Web services, ALE/EDI, IDOCs) and reconfigured **ALE/IDOCs** connections for legacy system migration.
* Developed SAP interfaces using SOA-based web services (**REST**, **SOAP**, etc.).

**Deutsche Bank - New York April 2018 – Sept 2019**

**Role : SAP ABAP CONSULTANT**

**Responsibilities:**

* Designed and developed a split currency report for sales, leveraging **AMDP** in **HANA** for data fetching and classical reporting with email functionality.
* Created **ABAP CDS Views** and **AMDP** methods, extensively reusing them in **ABAP** programs to optimize performance on **HANA**.
* Developed user exit enhancements and **BADI** implementations to extend **SAP** functionality.
* Built an **ODATA** service for RFC integration with third-party tools, enabling data push and pull functionality.
* Designed and developed custom **IDOCs** for dashboard implementation, enhancing data exchange and integration.
* Created SMARTFORMS for label print, invoice, and pro forma invoice, streamlining document management.
* Developed custom reports and displayed them in **OOALV**, providing users with enhanced data visualization.
* Designed and developed WSDL web services, activating them in SOAMANAGER for seamless integration.
* Successfully migrated data from legacy systems to **SAP R/3** using **LSMW**, ensuring data integrity and consistency.
* Estimated project timelines and suggested approaches for design, coding, testing, and delivery, demonstrating project management skills.
* Developed a report for contract details, outputting essential sales data, and another report for invoice details with email functionality.
* Created interface programs for file transfer using **RFC, FTP**, and Managed File Transfer, ensuring secure data exchange.
* Designed smart forms for invoices, customer bills, and service orders, enhancing document management.
* Configured ALE for inbound and outbound extended **IDOCs**, integrating with PI System for seamless data exchange.
* Implemented **BADI FI\_INT\_CUS01** for **FINT**, calculating interest rates and filtering data based on sales org.
* Developed **VOFM** routines for SD pricing conditions, enhancing pricing functionality.
* Extended ORDERS05 and DELVRY05 IDOCs to add custom segments, sending detailed data to customers.
* Configured ALE and IDOCs to support distributed processing in outbound and inbound systems.
* Developed remote function modules for updating tracking numbers in sales orders based on PI Proxies, ensuring real-time updates.

**Eminent IT Solution – Madhya Pradesh, India March 2015 – Sept 2017**

**Role : ABAP CONSULTANT**

**Responsibilities:**

* Estimated timelines and suggested approaches for designing, coding, testing, and delivering projects on time.
* Participated in design reviews and provided technical approval for requirement documents.
* Conducted code reviews for developed objects.
* Optimized code and analyzed bugs in standard and custom programs, providing development solutions.
* Improved performance using Runtime Analysis and SQL Trace.
* Developed a complex report for automatic sales order creation from production to quality and development systems based on sales order numbers.
* Created SMARTFORMS and SAP Scripts for SD, MM, and FI modules.
* Developed custom authorization objects and complex roles and assigned them to users.
* Designed various Smart Forms such as Purchase Orders, Sales Order Confirmations, and Invoices.
* Regenerated proxies called by the SAP PI system, enhanced **IDOC** segments/structures for additional data, and improved **IDOC** Processing Function Modules.
* Implemented **BADI** for claim creation based on **IDOC** in Vistex.
* Developed complex reports for claim and agreement processes, credit memo details and summaries, and audit reports in Vistex.
* Enhanced Vistex pricing procedures.
* Created custom Vistex functions for use in the Formula Builder.
* Developed a custom class for Vistex agreement price sheet data validation.
* Created prototypes for complex business solutions within Vistex.
* Developed **VOFM** routines for use in SD and Vistex IP pricing conditions.
* Created custom authorization objects and complex roles, assigning them to users.
* Developed inbound and outbound interfaces using **ABAP** proxy.
* Designed and developed data conversions for various master data objects across multiple modules.
* Created a yield report controlled by custom table entries.
* Developed a production order confirmations interface to read from an external database by setting up database connectivity.
* Managed purchasing release settings for workflow based on release strategy and release codes and worked on the delegation process using custom tables.
* Performed performance tuning of **ABAP/4** objects using Runtime Analysis and SQL Trace.

**SAPSOL Technologies Inc – Ahmedabad, India May 2013 – Feb 2015**

**Role : ABAP CONSULTANT**

**Responsibilities:**

* Played a key client-facing role in **SAP** implementation, assuming full technical delivery responsibility.
* Prepared all implementation decks from a technical perspective, including standards documents and templates.
* Led the offshore team, coordinating development efforts to ensure timely completion.
* Worked on forms, including **SAP** Script for checks and PDF forms for invoices and equipment.
* Designed and implemented ALE setup for General Ledger and cost elements from production to quality and development systems.
* Developed, tested, monitored, and enhanced multiple interfaces between SAP and external systems using **ALE, IDOCs, BAPI, BDC,** and workflow to create and confirm transfer orders, physical inventory documents, outbound shipments, update deliveries, and post goods issues.
* Created reports such as claim validations, credit memo request creation, credit memo details, distributor summary reports, and rejection validation.
* Worked on an incoming invoice **BADI** to post material revenue and freight revenue as separate lines.
* Contributed to development work for proxy interface programs.
* Developed and delivered **RICEFW** objects.
* Designed and implemented implicit enhancements for IDOC inbound FI invoice posting.
* Modified workflows to add new tasks for the accounting documents approval process.
* Developed programs to report vendor payments and check register details.
* Created custom programs to report and post invoices for subsequent settlements.
* Developed custom AP checks and debit memos using **SAPSCRIPT**.
* Developed a **BDC** report for uploading cost center data (KS01) from flat files.

**EDUCATION:**

**Bachelor’s in computer science from GITAM University, India June 2009 – April 2013**