**Rafi M**

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**Professional Summary**

* 15+ years of experience in Software Development.
* 13+ Years of experience in SAP Software Development as **S/4 HANA, SAP ABAP Consultant**.
* Having 2 Years of experience in Survey Programming using Confirm IT tool.
* Experience in Implementation, Support Projects.
* Good understanding of Business Process Procedures related to **MM, SD, FICO, PP,**

**FI-CA,PS, ISUtilities,OTC,WM/EWM,OIL & GAS & CRM, XI/PI ABAP Proxies,HR**.

* Good communicational / analytical skills and ability to understand Customer requirements.
* Good knowledge of Order to Cash, STO, and Pricing.
* Good understanding of P2P process.
* Industry experience – Heavy Equipment’s, Food and Beverages, Manufacturing, Transportation, Research Development and Demonstration (RD&D), Oil & Gas, ISU.
* Possess good analytical and logical thinking abilities, combined with quick learning ability, good interpersonal and managerial skills.
* Well balanced in interaction with teammates and good team player.
* Recognize the critical elements of complex application problems and develop &evaluate data, determine solutions, and make logical recommendations.
* Root cause analysis of technical issues and providing solutions.
* Working with the Project Manager on definition of development requirements and priorities.
* Contributing to technical strategy, policy and procedure.
* Ability to conduct effective trainings on known and acquired skills time to time to junior team members.
* Ability to scale up quickly and efficiently and adaptability to new technologies and frameworks.
* Ability to maintain a friendly and professional attitude when working under stressful conditions and to stay focused to meet deadlines.
* Ability to follow directions or to take the lead, whichever is needed.
* Have writing and verbal skills to provide regular updates on the progress of each project to upper management.
* Self-motivated with the ability to stay focused and meet deadlines when working independently.

**SAP Certification:**

* Certified in SAP ABAP **[ C\_TAW12\_740].**
* Certified Development Specialist – **ABAP for HANA** **[ C\_HANAAW\_12].**

**Educational Qualification**

* Master of Computer Application (M.C.A) from Osmania University, Hyderabad in 2008.

**Technical Skills:**

* Extensive experience in **ABAP ECC 6.0**
* Understanding of **ABAP 7.4, 7.5** Coding standards
* Extensively worked on **PI/XI, ABAP Proxy interfaces**, API ( **SOAP and REST** ).
* Experience in working with **SAP ARIBA** **PI/PO** **ABAP Proxies** and **WSDL** process.
* Worked extensively on **Data Dictionary objects (tables, structures, views, lock objects, data elements and domains), Reports, BDC programs, LSMW, Sap Scripts, Smart forms, Adobe forms, Print Workbench, BAPI, BADI, User Exit and Customer Exit, Enhancement framework, Module Pool Programming**, **OOABAP, Workflow** and **ALE/IDOCS.**
* Developed and Supported for **Web Applications using Web dynpro ABAP Development**
* Functional configurations: SD module (**VOFM** standard pricing routines), **BRF plus** & **NACE** output type configurations.
* Worked on **Storage, Retrieval** and **Updating** of Binary Large Objects ( **BLOB** ) as per the client requirements.
* Extensively worked on **SAP SRM ABAP**.
* Good understanding of the new technologies in **S/4 HANA like RAP, BOPF, Cloud etc**.
* Involved in performance tuning for better response time using various tools like **Run Time Analysis** and **SQL Trace** **code inspector** and **ABAP Test and Cockpit** to check the quality of the **ABAP code and optimize for SAP HANA**.
* Worked on writing **Test Cases during unit test & integration test**.
* Good understanding of various components of **SAP HANA Studio & SAP HANA with Eclipse**.
* ABAP on HANA Skills – **Schemas, Stored Procedures, AMDP, CDS Views, Performance Optimization.**
* Good experience with **ABAP Development Tool Kit using HANA studio or Eclipse**.
* Good Knowledge in **Creation of Association and Navigation properties of OData services, Extension of Standard Fiori/UI5 Application**.
* Extensively involved in interaction with the third-party developers and middleware for monitoring and testing of the interfaces.
* Data migration tools - **Migration Cockpit, Migration Object Model, LTMC, Data Services & SLT**.
* **S4-HANA** – **Output Management** for Adobe Form Development.
* Management of **PFCG authorizations** in both front-end and back-end servers.
* Proficient in configuring **Fiori Launchpad** (FLP), creating role-based groups, and catalogues.
* Good Understanding in **BTP, CPI, BAS, SAP WEB IDE and SAP UI5 library, JavaScript, HTML5, CSS3, jQuery, JSON, XML, SAP Fiori Elements framework, SAP Fiori Tools, and UI Annotations**.
* Capable of extending standard **SAP Fiori applications while adhering to Fiori Design Guidelines**.
* Good understanding of the extensibility model, Key User Extensibility (In App), Side By Side Extensions on BTP.
* Good understanding of **ABAP RESTful application programming model (RAP).**
* Expertise performing **Code Remediation** (**ABAP Test Cockpit ( ATC )**  ) activities and modify certain ABAP code to prevent any potential functional during **the HANA migration**.
* Involved in conversion activities of converting SAP ERP to an SAP S/4 HANA System.
* Good understanding of **S4-HANA Implementation Process Roadmap for Greenfield ( New Implementation ), Brownfield ( System Conversion ) and Backfield ( SLT ) scenarios.**
* Good understanding of **BOL Programming Language**.
* Experienced in developing and consuming **Business Application Programming Interfaces (BAPIs)** and **Remote Function Calls (RFCs)** to integrate **SAP CRM** with other SAP and non-SAP systems.
* Worked on **SPDD, SPAU, OSS** notes Implementation, **SAPU\_ENH**.
* Integrated SAP ECC and Salesforce to create and update sales orders using web services
* Experience in **JIRA, SERVICE NOW**, **CHARM** Processes.
* Experience with **Agile/Scrum** development methodologies and **SAP Solution Manager**.

**Roles and Responsibilities As Development Lead:**

* Worked as Technical Development Lead coordinating and managing the offshore team.
* Manage and allocate development resources effectively to meet project demands.
* Coordinated with systems partners to gather business requirements, finalize designs, and perform technical analysis.
* Provide technical direction and decision-making to ensure best practices and standards are followed.
* Ensure the quality of the code and system configurations through reviews and testing.
* Proposed technical feasibility solutions for new functional designs and suggested options for performance improvement of technical objects.
* Recommended architectural improvements, design solutions and integration solutions.
* Provided deliverable estimates, prioritized meeting with functional leads and managed monthly and quarterly release for ABAP release.
* Performed peer reviews like code and document review.
* Verified and validated system operation, including writing and executing test procedures and test scripts, correcting defects, and providing technical support.
* Organized weekly status meeting to discuss Technical Incidents, Development Status, Challenges and Progression details.
* Implemented company policies, technical procedures, and standards for preserving the integrity and security of data, reports, and access.
* Participated in team activities and team planning regarding improving team skills, awareness, and quality of work.
* Coordinate with various teams, including developers, business analysts, and testers, to ensure smooth execution of the project.
* Mentor and support junior developers, helping them grow their skills.

**Roles and Responsibilities as Consultant:**

* Analysing the functional inputs. Interacting with functional team in gathering the requirements
* Creating technical specification document requests assigned.
* Coding and creation of unit test plans for the objects developed.
* Involving in peer-review of the objects developed and code optimization.
* Ensuring a high-quality solution for all the delivered objects to the client within the schedule.
* Providing support to junior team members and providing training whenever needed in the competency.

**Professional Experience:**

**Client: CDOT, Denver, CO, USA July 2019 - Till Date**

**Role: S/4 HANA ABAP Technical Lead**

**Project Type: ECC & S4/HANA Support**

**Responsibilities:**

* Use SAP tools (e.g., SAP Readiness Check or Custom Code Analyzer) to analyze existing ABAP custom code and identify the impact on S/4HANA.
* Modify or refactor ABAP code to adapt to S/4HANA's simplified data model and architecture. This includes replacing obsolete or deprecated functions (e.g., replacing classic database queries with CDS views).
* With HANA, the database no longer requires certain custom indices or aggregates, so identified the ABAP programs and modified the code accordingly.
* Update custom reports (developed in ABAP) that use structures or tables impacted by the new data model in S/4HANA.
* Ensure ABAP code managing integrations (IDocs, RFCs, Web Services, etc.) is updated to work with S/4HANA.
* Create or update ABAP unit tests to validate changes in functionality after remediation.
* Use automated testing tools (e.g., ABAP Test Cockpit) to ensure that custom code is functional and optimized after migration.
* Rewrite ABAP code to push computations from the application layer to the HANA database, utilizing CDS views or AMDP (ABAP Managed Database Procedures) for complex calculations.
* Replace custom queries and views with Core Data Services (CDS) views to improve performance and align with S/4HANA best practices.
* Align ABAP customizations with the SAP S/4HANA Simplification Items, which list obsolete or changed functionalities. This helps in identifying which customizations need reworking.
* Extension of standard Fiori applications as required by the business.
* Development of OData services of custom SAPUI5 applications as per the business requirements.
* Implementation of new SAP Fiori applications using standard Approve Request and My Inbox applications as part for Workflow process. The applications run on desktops & mobile devices
* Handled Launchpad customization and PFCG roles.
* Installed and Configured Local Web IDE to customize Fiori Applications and configured Destinations to the Gateway Systems
* Involved in OData Net Weaver Gateway Services: Sales order
* Designed and developed OData Services for developed User interface and integrated with backend.
* Added new services to /IWFND/MAINT SERVICE to register maintain and running the service in Gateway
* With respect to Fiori Apps. Development developed custom functionality to Approve/Reject the Purchase Requisition. When Approved, Purchase Requisition status is changed to Approved and work item disappears from My Inbox. When rejected, status is changed to Rejected and work item disappears from My Inbox and a notification mail is sent to the respective agent when Approved or Rejected.

**SRM ABAP Developments:**

* Worked on Fiori Apps. Development in SRM. Involved in implementing various BADI’s in Gateway and SRM Back-end system.
* Worked on activating the My Inbox App 2.0 and extending the functionality for PR and PO’s and Invoice Documents workflow process.
* Worked on relevant BADI’s **/IWWRK/BADI\_WF\_BEFORE\_UPD\_IB** for **APPROVE/REJECT** for My Inbox App 2.0 workflow.
* Worked on implementing the BADI **/IWWRK/BADI\_TGW\_CUSTOM\_ATTRS** to add custom attributes or actions to the task in the My Inbox app as per the client requirements.
* With respect to Fiori Apps. Developed workflow custom functionality to Approve/Reject the Shopping Cart. When Approved, Shopping Cart status is changed to Approved and work item disappears from My Inbox. When Rejected, Shopping Cart status is changed to Rejected and work item disappears from My Inbox and a notification mail is sent to the respective agent about the Rejection of Shopping Cart.
* Create a report in SRM for notifying the user about the Shopping Cart not approved with the given time frame and correspondingly sending mail with workflow process.
* Developed enhancement and worked integrating workflow solution for Managers to approve Shopping Cart.
* Create an enhancement for the Purchase Requisition when there is change at the line items the workflow with the changed details of the fields are sent to the respective users.
* Developed enhancement for workflow process to check the buyer limit approval based on the Shopping Cart value.
* Developed and maintained custom ABAP programs, reports, and enhancements within the SRM module, improving system functionality and user experience.
* Designed and implemented interfaces between SRM and other SAP modules (MM, FI) using IDocs, BAPIs, and RFCs, ensuring seamless data integration.
* Customized user exits and BAdIs in SRM to meet specific business requirements, enhancing procurement processes and supplier management.
* Configured and customized workflows in SRM using ABAP, optimizing approval processes and improving operational efficiency.
* Assisted in data migration activities from legacy systems to SRM using LSMW and BAPIs, ensuring data integrity and accuracy during the transition.
* Utilized ABAP debugging tools to identify and resolve issues within the SRM application, enhancing system stability and user satisfaction.
* Provided training and support to end-users on custom reports and applications, fostering a better understanding of SRM functionalities.
* Developed enhancements to standard SRM functionalities, including custom reports and analytics, to better support business decision-making.

**Client: Aqua (USA) Dec 2016 - May 2019**

**Role: S/4 HANA Lead SAP Consultant**

**Project Type: ECC Support & ECC to S/4 HANA Migration**

**Responsibilities:**

* Developed and maintained custom reports, enhancements, and interfaces for the SAP ISU modules.
* Developed and implemented custom ABAP reports for utility billing, meter reading, and consumption tracking within the SAP ISU module.
* Created advanced ALV reports for real-time tracking of customer payments, consumption analysis, and contract details for utility service providers.
* Enhanced SAP IS-U billing functionality using user exits and BADIs to accommodate utility-specific pricing structures and regional tax requirements.
* Developed custom logic for complex billing scenarios, including time-of-use pricing, tariff changes, and prorated billing cycles.
* Developed ABAP interfaces to integrate SAP ISU with external meter reading systems using IDocs, RFCs, and BAPIs, enabling automated and real-time meter data updates.
* Built custom programs to handle mass meter reading uploads, ensuring data accuracy and efficiency in processing large datasets.
* Designed ABAP solutions for managing meter data, including automated processing of meter readings, error handling, and reconciliation with billing data.
* Implemented enhancements to streamline meter management, including meter installation, removal, and exchange processes using function modules and ABAP objects.
* Automated key business processes like customer contract creation, service order generation, and disconnection/reconnection procedures using SAP Workflow and ABAP developments.
* Designed workflows to streamline approval processes for utility service agreements and energy contract renewals.
* Developed workflow process for Single and Multiple Reversal Invoice process.
* Implemented user exits and BADIs for customizing standard SAP ISU functionalities
* Worked on billing, invoicing, and contract account receivables and payables (FICA) enhancements.
* Led data migration efforts to move legacy system data into SAP ISU using ABAP tools like LSMW, BAPIs, and custom programs for master data and transactional data, including customer contracts, meter readings, and billing records.
* Developed ABAP enhancements for SAP ISU Device Management, handling meter installations, periodic meter readings, and device replacement processes.
* Developed Smart Forms for generating invoices and other customer communications.
* Supported SAP ISU integration with third-party systems using IDocs and web services.
* Developed and maintained ABAP programs for managing master data objects like Business Partners, Contract Accounts, Installations, and Connection Objects in SAP ISU.
* Built custom validation and consistency checks to ensure accurate creation and maintenance of master data critical to utility operations.
* Created and maintained custom Smart Forms, SAP Script, and Adobe Forms for utility-related documents such as billing statements, payment reminders, service orders, and meter installation forms.
* Developed ABAP enhancements for FICA processes, including payment processing, dunning, and clearing activities specific to utility customer accounts.
* Customized FICA workflows for automated handling of utility customer payments, payment reversals, and financial reconciliation.
* Developed SAP Fiori Custom Apps with CRUDQ operations via OData Services from End-to-End using SAP WEB IDE tool.
* Experience in Developing Reports using SAP Fiori Element List Report.
* Created SAP OSS Messages and Support tickets as well as Application of OSS Notes.
* Implemented SPDD and SPAU activities during the upgradation project for ECC on HANA
* Developed an ODATA-related API for the customers to fetch shopping cart data and an ODATA to fetch the chart of accounts of customers.
* Followed the sap guidelines from conversion of ECC on oracle to ECC HANA data base.
* Identified and documented custom objects for migration, including deprecated functionalities and new requirements in S/4HANA.
* Collaborated with functional teams to understand business processes and the impact of S/4HANA on custom ABAP code.
* Analysed and remediated custom ABAP code to ensure compatibility with S/4HANA standards, including the use of CDS Views, AMDPs, and new data structures (e.g., MATDOC table).
* Replaced obsolete or deprecated functions (e.g., BDC, ALV) with S/4HANA-compliant alternatives.
* Optimized SQL queries and ABAP code for performance improvements on the HANA database.
* Performed unit testing, integration testing, and performance testing to ensure smooth migration and optimal performance in S/4HANA.
* Developed web dynpro component to stimulate the CJ20N functionality as per the client.
* Developed OTR texts for Internationalization of the Web dynpro Components.
* Developed Web dynpro component for ALV.
* Developed assistance classes, component usage, Interface controllers for reusability and calling one component from another.
* Developed custom Web Dynpro application for Sales Order Create and Change.
* Developed Web Dynpro application to display the inventory details, workflow initiator will initiate the process identify the materials in plants which needs to be adjusted and sends them for approval.
* Developed Web dynpro Application to obtains a single screen where technical user of project system can enter all the data without navigation too much on different transactions. This is the single screen for creating, changing, deleting, displaying the Project WBS Element, Budget and Budget Assignment.
* Developed Web dynpro application to handle order submission and order tracking.

**Client: Halliburton ( Oil & Gas , USA) Sep 2014 – Dec 2016**

**Role: ABAP HANA Technical Specialist**

**Project Type: Implementation & Support**

**Responsibilities:**

* Developed ABAP enhancements for tracking sales orders, delivery schedules, and billing for crude oil and petroleum products, aligning with industry regulations.
* Led data migration efforts using LSMW, BAPIs, and custom ABAP programs to transfer legacy data such as well data, production statistics, and contracts into SAP IS-Oil.
* Built custom routines for mass data conversion and validation, ensuring data integrity and consistency during the migration of material master data and production records.
* Developed custom SAP Script, Smart Forms, and Adobe Forms for Oil & Gas-specific documents like delivery notes, bills of lading, refinery output reports, and sales invoices.
* Integrated ABAP print programs with form solutions to ensure accurate generation and distribution of regulatory and contractual documents in Oil & Gas operations.
* Developed ABAP programs for monitoring critical Oil & Gas processes, such as production delays, transport bottlenecks, and inventory shortages, with automated alerts and notifications to key stakeholders.
* Enhanced standard SAP workflows to support automated escalation and resolution tracking for issues affecting oil production and distribution.
* Developed custom ABAP reports for tracking crude oil production, transportation, and inventory management in downstream and upstream operations.
* Created ALV-based reports for real-time monitoring of well performance, reservoir data, and production metrics in the Oil & Gas sector.
* Customized SAP IS-Oil (Industry Solution for Oil & Gas) components such as Hydrocarbon Product Management (HPM), Transport & Distribution (TD), and Trader’s and Scheduler’s Workbench (TSW) using ABAP user exits and BADIs.
* Enhanced standard transactions to accommodate industry-specific needs such as handling of complex UoM (units of measurement), batch management, and crude oil pricing scenarios.
* Designed and implemented ABAP interfaces using IDocs, BAPIs, and RFCs to integrate SAP IS-Oil with third-party systems, including refinery management, logistics, and SCADA systems for real-time data flow.
* Developed ALE/EDI setups to facilitate data exchange between SAP and external trading platforms for oil trading and refinery planning.
* Developed custom solutions for batch management of crude oil and refined products, ensuring accurate tracking of product quality, volume, and movements between storage and transport facilities.
* Automated batch determination processes for oil blending and shipment planning using ABAP enhancements and custom transactions.
* Developed ABAP programs for automated valuation of crude oil and gas stocks using FIFO, LIFO, and weighted average methods based on market fluctuations.
* Developed custom ABAP solutions for handling vessel and pipeline scheduling, transportation routes, and stock reconciliation in oil terminals and refineries.
* Optimized ABAP programs to handle large data volumes typical in Oil & Gas operations, using techniques such as parallel processing, database indexing, and efficient SQL queries.
* Enhanced performance in key transactions related to production planning, oil movements, and settlement processes.
* Have been working on various tasks which includes CDS views, AMDP Procedures & ODATA.
* Extensively worked on Object Oriented Programming Objects, ABAP proxies, Webservices and Workflow.
* Extensively involved on objects which are related to SAP FIORI Development, Security, Fiori.
* Performed peer reviews like code, document review and maintained review logs.
* Created SAP OSS Messages and Support tickets as well as Application of OSS Notes.

**Client: EPRI, (Washington, D.C, USA ) Mar 2012 - Sep 2014**

**Role: Sr. ABAP Consultant**

**Project Type: Implementation & Support**

**Responsibilities:**

* Customized the invoicing process to accommodate complex rate structures and discount calculations, improving customer satisfaction by providing more accurate billing statements.
* Designed and implemented custom user exits to enhance standard ISU functionalities, aligning system processes with specific utility business requirements.
* Worked on conversion of Material Master – includes creation of material, change of material, creation of characteristics of the material and assigning the materials to the different classes.
* Created a report program for conversion of Purchase Order, Customer Master, Pricing Data Upload.
* Created a FM for BI extractor for Funding Type, Customer Account Balances, Revenue Contract Report.
* Developed report to upload material data using BAPI ‘BAPI\_MATERIAL\_SAVE\_DATA’.
* Developed report to upload Purchase Orders using BAPI BAPI\_PO\_CREATE1.
* Involved in ALE outbound interface of Customer Master, Material Master.
* Implement SAP Workflow for automating approval processes within the **OTC** cycle, such as sales order approvals, delivery block release, or credit limit approvals.
* Optimize custom ABAP programs and enhancements to improve the performance of
* Worked on developing custom ABAP Program for Invoice Creation ( POSTING) with respect to the SAP PI/XI Proxy, where data comes from third party system.
* Documented all changes, including technical specifications, test results, and user guides.
* Worked on Enhancing Standard Web Dynpro Component for setting GR/IR/GRIV flags based on PO document type.
* Worked on Enhancement for mapping account assignment category. When the PR is sent to SRM from ECC for sourcing, the accounting data from the Account Assignment is sent to SRM but not the Account Assignment Category.
* Worked on Enhancing the Standard Web Dynpro component. Added a field called ‘ECC Created By’ to display the name of the person who created the PR in ECC in SRM
* Worked on PO smart form for displaying details like Company name, Goods receipt, PO number, description, created date, PO item details, Total Value of PO, Client Logo etc.
* Designed the form and implemented the functionality as per the client requirement
* Worked on developing custom ABAP Program for Invoice Creation ( PARKING ) with respect to the SAP PI/XI Proxy, where data comes from third party system.
* Worked on developing custom ABAP Program using BAPI\_ACC\_DOCUMENT\_POST with respect to the legacy file.
* Developed Web-based Report which displays Sales order billing status and delivery status Based on Sales order Document Number Using Web dynpro along with MVC Architecture.

**Client: CASHMAN ( USA ) Apr 2011 - Mar 2012**

**Role: ABAP Consultant**

**Project Type: Implementation & Support**

**Responsibilities:**

* Added custom fields at PO Screen level both at Header and Item level for respective Purchase Order. Depending upon the Purchase Order type i.e. for Parts or Machine the respective fields both at the Header level and Item level are shown in ME21N/ME22N/ME23N Purchase Order screen.
* Developed and configured BTEs to trigger additional checks and validations during financial postings (e.g., FI document postings, payment processing, and asset accounting).
* Provided technical support and troubleshooting for issues related to SAP WM processes.
* Developed interfaces using BAPIs and RFCs to integrate **SAP WM** with external warehouse management systems.
* Implemented user exits and enhancements in SAP WMS to extend standard functionalities and customize processes according to business needs.
* Developed EWM reports slotting and rearrangement using the EWM Function Modules.
* Developed custom reports for EWM monitor.
* Extensively worked on PPF actions for HU’s Ware house orders in PGI, PGR.
* Worked on enhancement to split and create warehouse orders when wave is released based on the quantity to create product ware house tasks and handling unit warehouse tasks in EWM.
* Designed and enhanced SAP screens using the **Business Data Toolset** (**BDT**), adding custom fields, screens, and tabs to meet specific business requirements.

**Client: ACCENTURE-SABMILLER, SA Dec 2010 - Feb 2011**

**Role: ABAP Consultant**

**Project Type: Implementation**

**Responsibilities:**

* Developed an ALV report for displaying Material Number, Customer Name and Storage Date, Inputting Material Number based on selection-screen.
* Developed ALV Report for displaying sales orders and line items. Selection criteria were used to enter the specified delivery dates.
* Modified the existing layout set RVORDERS01 for Sales order information to add the company address, logo and included standard texts according to the user requirement.
* Developed BDC program for Migration of data from external file to SAP R/3 on Vendor Master Data using Session method for transaction XK01.

**Client: Kantar Operations (TNS), India Aug 2008 - Aug 2010**

**Role: Programmer**

**Technology (Non-SAP): Html, JavaScript, Jscript.Net, Confirm IT**

**Responsibilities:**

* **Alcohol Consumer Habits Study (WKD Beverages, Europe)** was a long tracker running from last 1.5 years in which the company wanted to know about alcohol consuming habits along with the competitor brands in Europe.
* In this project, we’ve implemented a new tool “Calendar” where the respondent can see the day, occasion and venue when he/she consumed alcohol.
* It is a high-level complexity job which involved the loops within the loops and having categories, brands and sub brands which is nearly 700.