**SAP ABAP Consultant**

**Shreya Thumma**

Phone No: +1 (513) 884-8578

Email ID: thummabala99@gmail.com

## Professional Summary:

* Over all 9 years of SAP experience as an **ABAP Technical Consultant** with EDI/IDOC.
* Working experience with advanced concepts like **ABAP on HANA**, **FIORI**, CDS (Core Data Services) views, analytics views, calculation views, AMDP, SQL Script, etc.
* Strong ABAP experience in various modules like MM, SD, SRM, FI, APO, PM
* Experience in full life cycle implementation of **SAP ERP Logistics, Procurement, and Finance** modules in WRICEF Requirement Analysis, Technical Design, Development, Testing, and Application Support
* Experience includes working in various domains like manufacturing, automotive, retail, pharma, etc.
* 6 years of SAP experience in Software Analysis, Design, Development, Support and Implementation of SAP ABAP/HANA.
* Experience SAP Fiori/ SAP UI5 and RESTful WEB services using SAP NW Gateway SEGW Tool NW Gateway service Confidential uilder and SAP Fiori/SAP UI5/HTML5/Java Script/JQuery/CSS/Eclipse/SAP Web IDE/SAP HCP and Gateway OData Services and created and tested through XML/JSON in SEGW.
* Working on SAP APIs for auto deployment and update CPI Artifacts.
* Exposure to **SAP SD, MM, CRM, PP, and ISU** modules with good understanding and integration
* Project experience and a well-rounded understanding of business processes like **order to cash (OTC),** procure to pay (PTP), and record to report (RTR).
* Experience in developing ABAP Webdynpro applications using FPM Floorplan Manager
* Experience in SAP PLM/DMS/ECM/Engineering change Management, / ECR, Windchill, PRO e Files, PTC Creo, Confidential OM/ Confidential OD, and Content Server, Web services/RESTful services.
* Experience SAP Fiori/ SAP UI5 and RESTful WEB services using SAP NW Gateway SEGW Tool NW Gateway service Confidential uilder and SAP Fiori/SAP UI5/HTML5/Java Script/JQuery/CSS/Eclipse/SAP Web IDE/SAP HCP and Gateway OData Services and created and tested through XML/JSON in SEGW.
* Data migration/conversion from Legacy systems to SAP S/4 HANA, BMDG for BOL (Bol Master Data Generator), LSMW, BAPIS and custom BDC programs
* Experience in customizing SRM 7.0 EHP 2 business package based on ABAP Webdynpro FPM
* Working knowledge of Procure to Pay process in MM and Order to Cash cycle in SD module.
* Developed and Design CDS Analytical Consumption views, Composite views and Basic views using Hana Developer Studio using ABAP Perspective.
* BAU support to Far Fetch/Harrods solution for supply chain end to end operations for more than 250 Interfaces
* Experience in the **ASAP and Agile Project Methodologies**—Requirement, Design, Realization, Final Preparation, Go-Live, Hyper care Support, and Application Support
* Excellent team player with good analytical and communicational skills.
* Working experience on SAP UI5, HTML5, CSS3, JQuery, JQuery UI and well exposure to SAP FIORI, SAP WebDynpro ABAP & BSP.
* Experienced in End-to-End FIORI implementation involving configuration, customization, security setup and troubleshooting.
* Expertise in ABAP/4 RICEF,includes Data Dictionary, ABAP Workbench Reports, ALV, Dialog Programming & Confidential racstart;Dynpro,Screen Painter& Confidential racend;, SAP Scripts, Smart Forms, Adobe forms,Interfaces, Confidential DC, LSMW, OSS Notes, Debugging, Enhancements,User Exits,CMOD,SMOD), Confidential ADI's, Confidential API,RFC,Function module EDI, IDOC's, ALE, Confidential acth Jobs,ABAP Objects (OOPs),EEWB,Info types, RFC, Confidential TE Events,Substution and Validations, Web Dynpro, Work flow, Enterprise Services (ES) Workplace, WSDL,ESA - SOA,End point, Web services/RESTful web services, SOAMANAGER, SOAP-UI, Confidential arcodes,Label Design, WM-RF (Mobile Data Entry), SAP NetWeaver Gateway / OData/SAP
* Working experience on SAP UI5, HTML5, CSS3, JQuery, JQuery UI, Fusion Charts, High Charts, JQGrid, JQWidget, JQPlot and well exposure to SAP FIORI, SAP WebDynpro ABAP & BSP.
* Extensive experience working with international clients, including experience as **an onsite technical lead** and **an onsite coordinator**, maintaining client engagements as a **SPOC.**

## SAP Expertise:

* **Reports:** Interactive and Classical Reports using ALV and OOABAP
* **Enhancements:** Worked on user-exits, enhancement techniques (BADI’s [Business Add-Ins]), enhancement spots (implicit and explicit), BAP, etc.
* **Interfaces:** experience in ALE and IDoc configurations, partner profiles, extending and developing IDoc, working on EDI and BDoc, EDI, Queue Monitoring, etc.
* **ABAP Objects:** Worked on object-oriented ABAP concepts, developing classes and interfaces.
* **ABAP on HANA:** Worked on Eclipse Studio, CDS Views, AMDP, Web Services, and ABAP Proxy.
* **SAP Gateway/ODATA**: Worked on ODATA, REST API, service development, trace, and monitoring.
* **Data Dictionary:** Experience in the Creation of Tables, Views, Structures, Table Types, Data, Domains etc.
* **Conversions:** Experience of data transfer by using LSMW and BAPI and BDC programming using session and call transaction methods for uploading master and transactional data into the SAP system.
* **Forms:** worked on smart form design and configuration.
* **Performance Tuning:** Worked on performance tuning using the debugger, SQL trace, and runtime analysis.

## Technical Skills:

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| **ERP**  | SAP R/3 ECC 6.0 Ehp5, 6 and NW 7.4 | **Languages**: SAP ABAP/4 |
| **ABAP/4 Skills** | Data Dictionary, ALV Reports, ABAP Objects, Module Pool, BDC, BAPI’s, BADI’s, Enhancement Techniques, User Exits, ALE and IDOC. CDS Views. |
| **Tools & Utilities** | LSMW, Smart forms, Debugging, SQL Trace, MS Office. |
| **Domain Knowledge** | SAP SD/OTC, CRM, MM/PTP and FI. |

## Project Description #5:

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| **Project Name:** | **SAP ECC Implementation**  |
| **Client** | **Caterpillar** **Saudi Electricity Company** |
| **Location** |  **New York, NY**  |
| **Role** | SAP ABAP Consultant  |
| **Duration** | May 2021 to Till Date |
| **Team Size** | 7 |

**Project Details:**

**Caterpillar**

Caterpillar Inc. is the world’s leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines, and diesel-electric locomotives. As part of SAP Enhancement and Support team, responsible for closely work with process team towards identifying the solution gaps and permanent fixes for the systems across landscape.

**Saudi Electricity Company**

Saudi Electricity Company is the Saudi electric energy company. It enjoys a monopoly on the generation, transmission, and distribution of electric power in Saudi Arabia through 45 power generation plants in the country.

**ALV Reports:**

* Created the Custom ALV Report for listing all RGA (Return Goods Authorization) Deliveries with header and Item data. I.e. A Report to list all 120 days old RGA's (Deliveries) with corresponding Sales order Reason code, complaint related material return/PIR with delivery status completed.
* Developed an ALV Report to display free goods and order reason codes which will be used by RTG compliance.
* Experience with SAP HANA Programming including Structured Query Language (SQL), SQL Script and CE Script.
* Created CDS Views in ABAP for S/4 HANA and consumed in Analytical reports for Power BI to display R3AUORDER QUES, CFCO QUES, R3ADLV QUES, error IDOCS and Orders with Delivery Incomplete Status for display on Dashboards.
* Created ODATA services and exposed it to Frontend Team.

**Enhancements:**

* Enhanced ME21N, ME22N for PO creation Transaction when PO item Value is changed and if the price is different from PR value and more than tolerance limit raise an error message.
* Enhanced ME21N using ME\_PROCESS\_PO\_CUST Method PROCESS\_ITEM, while creating PO if the material has product hierarchy for military parts raise an warning message saying material belongs to military parts.
* Experience with data modeling using Attribute View, Analytic View, and Calculation View.
* Comprehensive development experience in designing and building Design Studio dashboards with noble CSS scripting to make it more user friendly and visually appealing dashboard developments.
* **ISU** Connection Object Enhancement IFLOT is the standard database table that is used for connection object/functional location. IFLOT contains functional location number and technical object data which we see in connection object transactions ES55, ES56, ES57.
* Created an upload program to update data in Work Order Header, Operations and Notifications from a text file maintained by the PM functional team for cutover activities using some standard SAP BAPIs and BDC programs.
* **ISU** Enhancement of transaction FPR1 by **adding** one level approval for creating Installment plan,

**IDOCS:**

* Worked on IDOCS for creation of SO in CRM system with Orders coming from Dealers from IBM Mainframes.
* Developed custom segment definitions for IDOC messages to meet specific business requirements.
* Collaborated with cross-functional teams to troubleshoot and resolve IDOC processing errors, ensuring smooth operation of business processes.

**QUEUE’S& BDOCS:**

* Debugging of R3AUORDER Queue to create Delivery’s in ECC System from CRM System.
* Debugging of CFCO Queue to update sourcing decision from SPP System.
* Debugging of R3ADLV Queue to update Delivery information in CRM System.
* Debugging and Monitoring of **BDOCS** for creating Delivery’s in ECC system from CRM system.

**Adobe Form’s:**

* Created Abode form Related to Purchase order Print.

**FIORI:**

* Customization and enhancing standard FIORI Apps

1 Sales – Create sales order, Cost center, Customer Billing document.

2 Manufacturing – Bill of Materials, Confirm Production Orders.

## Project Description #4:

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| **Project Name:** | **SAP ECC Implementation**  |
| **Client** | 1.FUSO NPM –Implementation 2.MTU – SAP Support Project3.MCOS – SAP Support Project |
| **Location** | Farmington Hills, Mi |
| **Implementation Partner** | **Robert Bosch**Engineering and Business Solutions Private Limited |
| **Role** | SAP ABAP Consultant |
| **Duration** | Jan 2019 to April 2021 |
| **Team Size** | 22 |
| **Environment** | **Software:** SAP-ECC 6NW7.4 | **Languages:** ABAP/4 |

**Project Details:**

* FUSO: As one of Japan’s leading manufacturers of commercial vehicles, Mitsubishi Fuso Truck and Bus Corporation (MFTBC) produces a full range of trucks and buses for a wide range of operating conditions.
* Worked on interface development for SAP to third party Ecommerce website Magneto for creating sales orders in sap SD module.
* Architecting the Sap Fiori Landscape and providing the best feasible solution for Apps implementation
* MFTBC plays an important role at Daimler Trucks as the competence center for light-duty trucks and state-of-the-art electric drive train technology. In fact, the FUSO eCanter became Daimler’s first series produced all-electric light-duty truck with its launch in 2017.
* MTU: MTU Asia is the Asia-Pacific headquarters for all MTU and MTU Onsite Energy products and services.
* Experience working with inbound and outbound interface developments as part of integration with Actives ECC system for the entire SD OTC process.
* MCOS: Mitigation Controls of SAP Systems was designed in order to automate the detection and documentation of critical authorizations and hence to meet the requirement of mentioned central directive.

**Contribution:**

* Created a production order performance report to display Order number with Actual start date, Actual finish date, Days in production and Production in lead days.
* Developed a BOM report to display and download.
* Consume CDS data model used by SAP S/4HANA can be considered a successor to SAP HANA Live Reports as CDS views as source provides front end reporting using BO WEBI.
* Developed a report to post T.O based on Warehouse number and T.O number.
* Configured several FIORI app like Change Sales Orders, Track Sales Orders, Paystubs, Track Purchase Orders, Approve Requisitions, Order from Requisitions, Approve Purchase Orders and many more.
* Coordinated with HR stakeholders to identify process bottlenecks and implemented SAP HCM system improvements, reducing payroll processing time by 15%.
* Executed configuration changes in organizational management module, aligning the system with evolving company structure and improving reporting accuracy.
* Resolved complex technical issues related to SAP HCM configuration, collaborating with technical teams to ensure system stability and data integrity.
* Assisted in the design and implementation of a comprehensive security framework for SAP HCM, ensuring data privacy and compliance with company policies.
* Created a BADI implementation for CS01 Transaction that does not allow user to create alternative BOMs for already created BOM.
* Developed a BADI to throw an error message if they pass invalid cost center at the time of good issue against cost center.
* Modelling experience in SAP HANA Studio, usage of SAP HANA views in ABAP.
* Implemented Screen enhancement for CO01, CO02, CO03, MD04 and CO40 by adding additional field to Customer screen for Capturing Cabin usage value in AUFK table.
* Configured and extended SAP Fiori applications to meet client mobile requirements using UI5, JavaScript, XML, JQuery, and JSON.
* BAU support through Remedy and responsible for Incident management, Service Request Management, Change management and Problem management as per SLA
* Created new Interfaces in /AIF/ERR and customize mapping in /AIF/CUST and Multi-Index tables for FTR, FI, SD modules.
* Implemented enhancement for COHV and CO41 for Capturing default value for Cabin usage for Mass conversion of planned orders to Production Orders.
* Automated Postponement of the Production Orders with status “REL”,”CRTD” which are not “ CIW Started” and its corresponding aggregates.
* Worked on enhancements and exits related to SD and MM Modules.
* User Status update for the Production order Based on xml file from MES input
* Adobe Form Developed for Kanban Process, PK13n t-code with DICV logo , Custom header ,

Custom footer. (JIT Call Form).

## Project Description #3:

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| **Project Name:** | **SAP ECC Implementation**  |
| **Client** | DICV– SAP Implementation and Support Project |
| **Location** | Farmington Hills, Mi |
| **Implementation Partner** | **Robert Bosch**Engineering and Business Solutions Private Limited |
| **Role** | SAP ABAP Consultant |
| **Duration** | May 2017 to Dec 2018 |
| **Team Size** | 16 |
| **Environment** | **Software:** SAP-ECC 6.0 Ehp 7 | **Languages:** ABAP/4 |

**Project Details:**

Daimler India Commercial Vehicles Pvt. Ltd. is a subsidiary of the German Daimler AG. This company designs, manufactures, and sells commercial vehicles that cater to the demands of Indian customers and are designed with nation's terrain in mind. These vehicles are branded as "Bharat Benz", "Mercedes Benz" and “Fuso”.

**Responsibilities:**

* Analyzing the Functional Specifications documents and Preparing the Technical Specification Documents for the client requirement
* Coding and Development as per coding standards
* Performing and Documenting - Code Review & Unit Testing
* Performance analysis improvements.
* Extensively worked on SAP HANA CDS Modeling - HANA Calculation views, HANA CDS Views

**Contribution:**

* Created the Custom ALV Report to analyze the deliveries which have been missed/shipped on date with respect to the company code and shipping date.
* Developed an interactive OOALV report to display delivery details on basic list and invoice details on secondary list using ALV Class CL\_GUI\_ALV\_GRID.
* Worked on the technical specification documentation for the interface development for Packet process in order to send the order and packet data to third party system for SD module
* Experience in SAP Fiori HANA Implementation, Develop Custom Fiori Application, extend standard Fiori applications, NW Gateway redefinition, OData enablement, SAPUI5, ABAP, HTML 5, JavaScript and JQuery.
* Created a screen enhancement for VA02 t-code for adding custom screens using BADI.
* Developed a BADI to throw an error message if they pass invalid cost center at the time of good issue against cost center.
* Customized SRM 7.0 EHP 2 business package based on ABAP Webdynpro FPM
* Experience in developing fully custom SAP FIORI UI using extension points when possible and also created new views and custom java scripts when required
* Generated BAPI program to transfer posting the stock one location to another location
* Developed a smart form for SD Invoice.

## Project Description #2:

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| **Project Name:** | **SAP ECC Implementation & Support Project** |
| **Client** | **Century Aluminum, America** – SAP Implementation Project |
| **Location**  | **Hawesville, KY** |
| **Implementation Partner** | **Ernst & Young** Global Limited,  |
| **Role** | SAP ABAP Technical Consultant |
| **Duration** | Nov 2016 to May 2017 |
| **Team Size** | 15 |
| **Environment** | **Software:**SAP-ECC 6.0 Ehp 5 | **Languages:**ABAP/4 |

**Project Details:**

Century Aluminum Company is a global producer of primary aluminum and operates aluminum reduction facilities in the United States and Iceland. In 2008, we commenced construction on a new aluminum reduction facility in Helguvik, construction of which is currently curtailed.  Our primary aluminum facilities produce standard grade and value-added primary aluminum products.

**Responsibilities:**

* Involved in Post Implementation support with Order, Delivery, Billing related issues, Analyzing and solving the incidents as per SLA.
* Worked with the development of Smartforms for the custom Order Confirmation in the SD module and Invoice Printing form.
* Analyzing & solving the tickets encountered by users during day to day business operations.
* Testing the incorporated changes in the development system and preparation of Test Scripts.
* Analyzing the Functional Specifications documents and Preparing the Technical Specification Documents for the client requirement
* Coding and Development, Code Review & Unit Testing
* Monitoring system by checking daily batch jobs, run time errors.

**Contribution:**

* Created an ALV report to display all stock related information for Export material stock value sales value, difference value.
* Built SAP Plant Maintenance Demo systems to present to diversified clients in the process of SAP presales proposals.
* Developed a Software Product for Habitat Conservation Plant using FloorPlan Manager Framework of Webdynpro ABAP. Created two Webdynpro FPM applications to Manage Notifications and Manage Surveys.
* Developed all the web services (WSDLs), RESTful Services, and RFCs Function Modules for WINDCHILL project and testing through SOAP UI and RESTful Services tested in t-code /IWFND/MAINT SERVICE
* Created the Custom ALV Program to select the item proposals of entered materials and Customers and then delete and re-add those materials into item proposals to reset theDescriptions from Material Master.
* Developed an interactive report to display Vendor details in basic list and Bank details in secondary list.
* Developed a Report for Automatic Purchase order using BAPI for posting from the ALV Report when selecting record and select the button for PO Posting instead of creating manually in ME21N.
* Implemented a BADI MRM\_UDC\_DISTRIBUTE to change the distribution of delivery cost shares across invoice items.
* Developed Web Services and Dialog Programming routines using VOFM andFunction Modules, IDOCS,ALE,EDI, RFC,according to the user requirements.
* Responsible for the design, blueprinting, build, testing and deployment of components of SAP ECC 6.0 within Plant Maintenance module and Materials Management
* Created a BADI Implementation for ME\_PROCESS\_PO\_CUST for ME21N. When creating a PO (ME21N) or changing the PO (ME22N), the ‘Latest Possible Goods Receipt Date’ should be calculated 60 days to the Delivery Date and it should populated automatically.
* Experience in Using SAPUI5 libraries, JavaScript, JQuery, JSON and HTML 5 to create the Web application for mobile and desktop
* Developed a Conversion program to upload cost center details from flat file to sap system by using KS01 transaction code.
* Planned business cutover task activities for the SAP Plant Maintenance and MM go-live
* Modified existing smart Form for shippinglist with additional Custom fields.

## Project Description #1:

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| **Project Name:** | **SAP Application Maintenance &Support (AMS) Project** |
| **Client** | **Natural Capsules Limited** (NCL), **India** |
| **Role** | ABAP Technical Consultant |
| **Duration** | March 2013 to Nov 2016 |
| **Team Size** | 12 |
| **Environment** | **Software:**SAP-ECC 6.0 | **Languages:**ABAP/4 |

**Project Details:**

**Natural Capsules Limited (NCL**) is an India-based Pharma company, Manufacturers of EHG Capsules and vegetable capsules since 1993. Which manufactures and markets hard gelatin capsule shells and hard cellulose capsule shells.

**Responsibilities:**

* Involved in Post Implementation support with Order, Delivery, billing related issues, Analyzing and solving the incidents as per SLA.
* Analyzing & solving the tickets encountered by users during day-to-day business operations.
* Business Intelligence and BEx Reporting experience in Plant Maintenance KPIs
* Testing the incorporated changes in the development system and preparation of Test Scripts.
* Analyzing the Functional Specifications documents and Preparing the Technical Specification Documents for the client requirement
* Supported Dell Boomi and SAP PI/PO Interfaces as BAU consultant
* Coding and Development, Code Review & Unit Testing
* Monitoring system by checking daily batch jobs, run time errors.
* Supporting all SAP Plant Maintenance activities for SAP rollouts by wave defined throughout Dart Global template
* Roll out and Go-Live Support in Supply Chain Management process which includes Purchasing to Pay, Logistics Execution, Warehouse
* Developed an interactive report to display Vendor details in basic list and Bank details in secondary list.
* Developed a Report for Automatic Purchase order using BAPI for posting from the ALV Report when selecting record and select the button for PO Posting instead of creating manually in ME21N.
* Developed a Conversion program to upload cost center details from flat file to sap system by using KS01 transaction code.
* Modified existing smart Form for shipping list with additional Custom fields.

## Education:

## Bachelor of Technology, Jawaharlal Nehru Technological University, India