

**Bhupesh Yadav**

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**Summary of Experience and Qualifications**

Bhupesh Yadav is a versatile SAP certified MDG Application Consultant with a demonstrated ability to implement and configure advanced SAP MDG solutions for large-scale technology transformations. His recent SAP S/4HANA Asset Management certification adds valuable asset management capabilities to his robust MDG skillset. With close to 3 and a half years of experience in technical and functional roles, he has strong skills in MDG data models (Finance, Business Partner, Material Master, EAM) and a passion for solving complex business problems using SAP MDG. He has successfully delivered SAP MDG solutions for diverse clients, resulting in improved data governance and efficiency. He is an SAP certified BTP professional with proficiency in SAP Build Process Automation, leveraging cloud-based technologies within SAP BTP platform to streamline application development and deployment processes. He is adept in finding innovative ways to automate routine tasks to boost efficiency and reduce manual effort.

**Deloitte Experience****Industry: Transportation Service Area: Technology****Service Line: SAP PT Package Technologies****MDG Consultant; 21 months (current engagement)**

A Leading North American Transportation and Logistics Company.

Migration and Transformation of company's legacy functionality.

**Role:** To enable implementation of MDG EAM extension by Utopia by assessing business requirements and developing various solutions in MDG to make Asset Master Data consistent and support various downstream processes.

- Identified business requirements and provided technical and functional expertise to the project team and stakeholders.
- Managed a team of 2 resources in key developments to build governance rules and workflows within SAP Master Data Governance framework.
- Performed proof of concept and requirements analysis for EAM Module activities such as IE4N, Serialization etc. for Equipment and Functional Location, ensuring alignment with business goals and stakeholder expectations.
- Configured SAP AIW by Utopia and demonstrated its features and benefits for asset management and maintenance like Multi-Object Change Request (MOCR), AIW Model, etc.
- Researched and developed innovative solutions for new and complex business requirements as part of proof of concept.
- Performed POC on replicating data from S/4HANA to MDG hub via ALE using IDOC for EAM Master Data objects since SAP does not support DRF for all the EAM objects.
- Analyzed and activated BC-Sets during system setup and configuration activities for the EAM Data Model within the SAP MDG system.
- Enabled integration between SAP MDG and SAP ARIBA, leveraging web services

and data replication models to synchronize master data.

- Configured parallel change request types to manage locking scenarios where multiple processors are changing the same master data object.

**Technical Environment: SAP MDG, SAP S/4HANA Asset Management**

**Industry: Transportation Service Area: Technology**

**Service Line: SAP PT Package Technologies**

**MDG Developer; 8 months**

A Leading North American Transportation and Logistics Company.

Migration and Transformation of company's legacy functionality.

**Role:** To enable implementation of Master Data Governance by developing various technical requirements and assessing business requirements in MDG to make master data consistent and support various downstream processes.

- Analyzed business requirements and created a solution for Monitoring and Error Handling of inbound and outbound interfaces based on SOA services, IDOCs, and RFCs for all the master data objects using SAP AIF by developing and configuring more than 35 AIF interfaces.
- Developed an end-to-end solution for Supplier Portal using RFC interface between MDG on S/4HANA and ECC. Created a scalable and cloud-enabled logic using OOP and clean-code approach to update supplier master data using Governance API and implemented error handling logic with multi-lingual custom messages.
- Developed an extensible enhancement that enabled accurate distribution of G/L Accounts to different systems in the heterogeneous system landscape of the client. This was achieved by using the system method caller BADI to create and replicate key mappings for G/L Accounts during outbound replication, taking value mappings into consideration as well.
- Developed a future-ready service enabling email notifications during workflows by creating highly dynamic sub-workflows, program exit and BRF+ application to monitor the workflows and alert users for every actionable step and milestone. Currently utilized in more than 30+ Finance change request types.
- Created a logic to keep the master data consistent between new-generation system and the legacy system which filters out the data for replication to downstream legacy system by using OOP and clean code approach. The solution used DRF APIs in the logic to replicate the data.
- Created an enhancement to govern the automatic creation and updates of Business Partner and Business Partner Relationships in MDG from external systems like ISIM via SOAP APIs, eliminating the need for manual processing.
- Extended data model with custom fields and enabled replication via IDoc to downstream systems by implementing BADI USMD\_IDOC\_OUT.
- Enhanced data quality by implementing complex business logic using single and cross-entity validations and derivations BADIs within the MDG framework.
- Implemented BOL Entity Cloner (BEC) patterns to allow copying of certain attributes during cloning of entities since they are restricted as part of standard functionality.
- Improved system performance by more than 87% by auditing and modifying the logic as existing enhancements were causing performance degradation.
- Enhanced MDG Single-Maintenance Fiori WebDynpro apps utilizing Customizing

and Adaptation as needed.

- Enabled MDG EAM apps in Fiori Launchpad by activating services in the backend system and adding apps as tiles into Launchpad Catalog using Launchpad Designer.
- Actively sought opportunities to optimize current solution and proactively made efforts to make the system more efficient.
- Identified requirements from functional team, created technical specifications, and designed and coded future-proof and scalable solutions.

**Technical Environment: SAP MDG on S/4HANA**

**Industry: TMT Service Area: Technology**

**Service Line: SAP PT Package Technologies**

**MDG Developer; 12 months**

One of the world's leading providers of technology and communications services.

Profiling and Consolidation of more than 1.5 million material master data from 6 legacy systems into client's next-gen unified ERP system, implement Master Data Governance for Finance, Vendor, Location and Material Master.

**Role:**

- Assisted in development of a high-performance report to display key mappings based on filters using a custom AMDP class and added the ability to download it as an excel spreadsheet as per client's selection.
- Configured PPOME for maintaining positions in the organization to support agent determination in BRF+ workflows.
- Enhanced the finance data model with custom attributes to enable business logic.
- Performed 20+ mock cutover activities in production environment involving replication model setup and master data replication from MDG to downstream systems in complex landscape of the client.
- Fixed more than 25 defects during testing cycles, ensuring smooth and timely completion of the testing phase.
- Created test suites and performed unit testing for 20+ finance test scenarios using ALM software.
- Identified requirements from functional team, created technical specifications, and designed and coded future-proof and scalable solutions for 2 RICEFW objects of medium complexity.
- Planned, scheduled, and hosted team-building events in collaboration with other teams, boosting the morale and engagement of the team members.

**Technical Environment: SAP MDG on SAP S/4HANA**

## Firm Initiatives –

- **AIDa Initiative**

Initiative to enable users to seamlessly receive AI predictions in real-time for all crucial customer, vendor, and material attributes.

- Gained exposure to SAP BTP platform and its services such as Business Application Studio.

- **SAP Build Training**

Delivered large-scale training programs on the SAP Build Portfolio, upskilling multiple groups of 200+ practitioners and resulting in 274+ certifications (as of today), empowering a skilled workforce for SAP Build project delivery.

- **MDG Training**

Collaborated in the delivery of MDG training programs to more than 120+ practitioners, upskilling new and experienced firm resources.

- **Beta Testing**

Contributed to the testing of the beta release of SAP S/4HANA 2023 with a focus on Master Data Governance.

## Project Initiatives –

- **AIF – Message Monitoring**

Volunteered to upskill myself on AIF and its features to handle client demand for standardized message monitoring in MDG.

- **Business Process Automation**

Researching and developing solutions using SAP BPA.

E.g., Working on a solution to automatically parse AIF messages in the system for locked objects and confirm the message if objects were successfully reprocessed.

This will significantly reduce admin's manual overhead.

## System Experience

### Software / Products:

SAP MDG, Proficiency - Project Experience, Expert

SAP S/4HANA, Proficiency - Project experience, Expert

SAP MDG EAM extension by Utopia, Proficiency – Project Experience

SAP S/4HANA Asset Management, Proficiency – Project Experience

SAP AIW, Proficiency – Project Experience

SAP AIF, Proficiency – Project Experience, Intermediate

SAP BTP, Proficiency – Intermediate

SAP Build Process Automation, Proficiency – Intermediate

**Development Tools / Languages:** SAP ABAP, Proficiency - Expert

**Hardware / Operating Systems:** Windows OS, Proficiency - Expert

### Middleware / Databases:

SAP HANA, Proficiency - Project Experience

SQL, Proficiency – Project Experience

**General Tools:** MS Office, Proficiency - Expert

## **Education**

### **Bachelor of Science in Information Technology**

SVKM's Usha Pravin Gandhi College of Arts, Science, and Commerce

## **Professional Affiliations / Certifications**

C\_MDG - SAP Certified Application Associate - Master Data Governance

C\_S43 - SAP Certified Associate - SAP S/4HANA Asset Management

C\_LCNC\_02 - SAP Certified Citizen Developer Associate - SAP Build Low-code/No-code Applications and Automations

Development Skills 2024 - GenAI for S/4HANA - Developing with SAP AI Foundation on SAP BTP

Discovering SAP Business Technology Platform - Record of Achievement

Creating Applications and Extensions using SAP Build Code - Record of Achievement

## **Training**

- SAP MDG
- SAP ABAP
- SAP S/4HANA Asset Management
- SAP BTP
- SAP Build Process Automation
- SAP AI Core and SAP AI Launchpad

## **Foreign Language Skills**

- French, Proficiency - Beginner

## **Internal References -**

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