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Dinesh Balakrishnan

SAP BW/HANA Consultant

**Professional Summary:**

* 13 years of professional experience in SAP BW on HANA , BW/4, Native HANA, BO,SAC across various modules in SAP ECC, S/4 HANA and other databases.
* Experience in requirement gathering with business stakeholders and transfer it into SAP solutions.
* Worked on BW on HANA LSA++ design, where developed Dataflow, ADSO, Open ODS view, Composite providers, AMDP, ODP datasource, ABAP CDS View and Process chains.
* Experience in developing complex HANA information models(Attribute, Analytic and CalculationViews), Stored procedures, Table functions and analytic previliges.
* Experience in SLT, BODS as ETL tool for Data provisioning in HANA. Worked on Smart data Access(SDA), Smart data Integration(SDI) and Flat file loading.
* Strong in BW Modelling(DSOs, Infocube, Mutiprovider, Infoset), Extraction data from multiple application areas using (LO-Cockpit&Generic Extractors) and non-sap source sytem(SFDC & Oracle).
* Experince in BW reporting using BEX, Webi, SAP BO Analysis for Office .
* Experience in S4 Embedded Analytics and SAP Analytics Cloud ad hoc analysis report.
* Experienced in building stories, Analytic Applications with different visualization components

**Skills**:

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| **Domain** | Retail, Telecom, Healthcare Industry, Banking, Energy & Utilities ,Oil & Gas and Insurance |
| **Prog Languages** | ABAP, SQL, JAVA, C. |
| **Operating System** | Windows 2000/NT/XP/98, MS-DOS & Linux |
| **DB/ERP Components** | HANA, SQL Server, MS Access, Oracle, BW 7.3, 7.4, 7.5 and BW/4Hana  SAP R/3, ECC 6 & S/4 Hana |
| **Tools** | Query Designer, BEX Analyzer, SAP BI BO 4,CMC, IDT, Web-Intelligence, Lumira, AFO , SAC & BODS |

## Work Experience:

Feb 2022 – Till Date – **Digital Finance Analytics**

Client **- Saudi Aramco. (WIPRO Arabia)**

Role as Sr Consultant Analytics

* Responsible to design, develop and maintain analytics solutions for finance & revenue cycle operations business unit.
* Implemented best practices for data modeling, security, data management in SAP HANA.
* Built CFO, OPEX Revenue/Finance KPIs Data models to consume in SAP Analytics Cloud.
* Designed and developed SAP HANA information models (Attribute, Analytics and Calculation views) and BWmodels ( ADSO, Composite Provider)
* Optimized performance for Hana models using Explain tool, Vizplan tool and Data Staging
* Used smart data access to extract data from external data sources.
* Developed business model and reports include Cash flow, Profit and loss, Balance sheet etc.

Jul 2021 – Feb 2022 **–** **S4 HANA Migration & BW HANA Development**

Client– **Olam International**

Role as BW HANA Lead

* Design specifications for solution components, evaluating various options (Installation of standard objects, enhancements to existing objects and creation of custom objects)
* Designed and developed Advanced DSOs, Composite providers and calculation views.
* Extracted data from multiple sources using ODP - Extractors, CDS views and Smart data integration.
* Customizations - Data source enhancements, generic extractors, user Exits, BADIs and Logistics Cockpit configuration and customization.
* Developed business model and reports for Sales, Finance, GTS modules (OTIF, Goods Movement Analysis, Invoice Analysis, Order History Overview, Aging, Actual vs Plan reports).

Aug 2018 – Sep 2019 **– AMVS Global Gmbh (HCL)**

Client **– Merck Sharp Dohme.**

Role as **Sr BW HANA Consultant**

* Involved in S4 HANA migration with BW on HANA and Analysis for Office.
* Interacted with business Stake holders to get the requirement.
* Extracted data from S4 HANA using ODP extractor and ABAP CDS view datasources.
* Designed and developed Advanced DSOs, Open ODS View, Composite Provider) and HANA information models (Attribute, Analytics and Calculation views).
* Created input parameters, Stored procedures, Table functions as per the requirement.
* Optimized performance for Hana models using Vizplan tool.

Jan 2017 – May 2018- **Larsen & Toubro Infotech Ltd**

Client **– Vehicles Honda R&D**

Role asBW HANA Consultant.

* Worked parallelly on Native Hana (Hana Studio SP -12) and BW, integrating them and developing BEX and BO reports on top of them.
* Involved in business discussions, Architecture discussions and writing the Technical documentation from the Functional Specifications.
* Performed data modeling and developed schemas, packages, Attribute views, Analytical and Calculation views (graphical & Script based), in HANA Studio.
* Working on advanced data modelling techniques, including currency conversion, CE functions, variables and input parameters. Implemented decision automation using business rules.
* Worked with private, reuse and query views and created Technical specifications for the standard and customized HANA live content
* SAP HANA Security activities like User Management, Assigning Roles to users and Managing Analytical Privileges to enable course gained and fine grained access control.
* Created SAP BO Analysis for Office Reports for analytical reporting. Designed SAP BO design studio Dashboards for Sales and Procurement.

Jan 2015- Dec2016-**Larsen & Toubro Infotech Ltd.**

Client - **Dubai Electricity & Water Authority, Dubai.**

Role as SAP HANA Modeller.

* Worked with business stakeholders and functional analyst to get the business requirements.
* Created HANA Information models as per the requirements with functional areas FI, SD, MM, PM.
* Created Schemas, tables, stored procedures and table functions to implement business logic.
* Performed Currency conversion for dynamic reporting at various currencies & rates based on user input.
* Extensively worked on SAP BODS Designer Components- Projects, Jobs, Workflows, Data Flows, Data Store and Transformations, Formats.
* LogicalLogical visualization of the data for decision making purposes. Custom CSS code used for various components.
* Developed Webi reports and dashboards for different operations and finance KPI'S like Project planning, Quality management, Plant maintenance, Warehouse management& Material management.

Jul2014 – Dec2014 **- Larsen & Toubro Infotech Ltd.**

Client - **Petrorabigh, Saudi Arabia**

Role as SAP BWConsultant.

* Determine the SOW of the Project, Time estimation and Project plan initiation and Kick off.
* Implemented LSA++ architecture in the Bw on HANA Landscape.
* Responsible for creating and maintaining data flows in SAP BW 7.4 system (on HANA Database).
* Prepared Blue print of HANA POC. Evaluation and Decision Detailed Presentation to compare As-is and proposed HANA Scenario.
* Gathered Requirements from onsite and designed and developed various Data Models in the Areas of PM, QM, FI, CO SD, MM and PS.
* Developed flexible queries with variables using filters, Navigational attributes, Restricted Key figures, Reusable structures, Conditions and Exceptions.
* Developed the BO webi reports based on BEX queries using the filters, Sections, breaks

Dec 2012– May2014 **-PaloAlto Networks, (NTT Data)**

Role as **Sr SAP BW Consultant.**

* System Upgrade and Migration using SUM DMO method. Involved in all post and pre migration checks.
* Info Cube conversion to HANA Optimized Info cubes using RSMIGRHANADB transaction code
* Created detailed documentation for Pre-migration and Post-migration activities.
* Semantically Partitioned Objects, DSO and Infocube conversion to HANA optimized Objects .
* Testing of Post Pre upgrade results along with resolutions to solve the issues .
* Performance optimization checks for post upgrade scenarios.
* Created transformations, routines, formulas, DTPs, monitors and manages data loads and functions.
* Generated reports on the Multiprovider, using restricted key Figures, Calculated Key Figures, Structures, Characteristic Variables, Text variables, Formula Variables, Exceptions, conditions.

Sep 2011 – Nov 2012 **-BSkyB UK Plc,**

Role as SAP BW Developer.

* Involved in Data Modelling, Data Extraction using ECC 6.0 and Customer Relationship Management (CRM), Troubleshooting, Performance Tuning and Reporting.
* Created Master Data Objects, DSO, Info Set, Info Cubes and Multi Providers, and loaded using Transformations and Data Transfer process.
* Involved in creation of Cubes for Sales Order, Delivery and Billing Data to meet User needs.
* Worked on LO-Cockpit, Application-specific Extractors and Generic Extractors.
* Created Queries and Query Views using BEx Analyzer and BEx Web Application Designer.
* Process chains monitoring . Analyzing the errors and fixing the process chain failures.

**Jan 2010 – Aug 2011 -** Boots, U.K

Role as BW Developer.

* Worked extensively on Logistics Cockpit extractions for uploading the data from R/3 to BW and initialized delta and uploaded transaction data from R/3 systems by V3 updates.
* Written start routines to get additional data from other ODS active data table based on business KPIS.
* Developed Generic extractors to facilitate the data extraction to BW and to reporting using classification of various data elements. Enhanced the extract structures by adding new fields.

**Apr 2008 – Dec 2009 -** Centrica, U.K

Role as Software Engineer.

* Involved in Monitoring, Production Support, Enhancement, Routines and Reporting.
* Involved in Load Monitoring using RSPC, RSMO, SE37 and SM50..
* Involved in Validated Data consistency, reporting with Data Target vs. PSA after loading to Data Targets.
* Actively involved in Rectification of Load Failure errors such as Master Data & Transaction Data Loads.

**Feb 2003 – Nov 2006 -** Nathinal Helath Services, U.K

Role as Information System Support.

* Ensured safe and effective use of Pharmacy system by routine system management including change control and maintenance for the main computer systems including Cortex, DAWN anticoagulation.
* Maintained and updated aspects of the computer database including password control. Managed month end processes to produce reports at the end of each month.

**Education**

**B.E -** Bachelor of engineering in computer science, University Of Madras.

**PGDBA**–London college of Computing & Management

**SAP HANA** – Record of Acheivement from OpenSap

**SAP BW HANA** – Record of Acheivement from OpenSap

**BW/4HANA** - Record of Acheivement from OpenSap

**Languages Known**: English, Tamil, Telugu, Hindi