

CHANDRA S. PEDDADA

SAP Native HANA & BW/4HANA Solution Expert

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Professional Summary:

- Dedicated **SAP Native HANA & BW/4HANA Solution Expert** with 23 plus years of overall IT experience, which includes 4 plus years of **SAP Native HANA**, 2 plus years of **SAP BW/4HANA**, 12 plus years of **SAP Classic BW** and 6 plus years of Mainframe developer experience
- Worked with Top Four consulting companies serving SAP consulting services to their prestigious clients on multiple end to end implementations using ASAP, Agile and other methodologies
- Expert in Architecting and Implementing Data Warehousing & Reporting Analytic solutions using **SAP HANA & SAP BW/4HANA** technologies and developing Road Maps working with leadership teams

Key Skills:

- **SAP Native HANA & BW/4HANA Concepts:**
 - Expertize in big data solutions i.e. Dynamic Tiering: creating extended and multi store tables reside on disk-based extended warm store & DTO: warm data on in-memory based extension node
 - Sound understanding of key capabilities: Multi core parallel processing, In-Memory, Columnar store database and Delta merge of Main (Column based) & Delta (Row based) stores
 - Well versed with the two scaling approaches: **Scale up** by increasing the size of one physical machine & **Scale out** by combining multiple physical machines into one system
- **SAP Native HANA Modelling:**
 - Worked on multiple Native Hana implementations both Side Car as well as EDW approaches
 - Expert in modeling Dimension, Cube and Star Join based Calculation Views and modularized modelling using best practices by creating Private, Re-use and Reporting views
 - Extensively worked on Variables, Input parameters, Calculated & Restricted columns, Filter expressions and expertise in creation of Procedures, Table Functions and Hana SQL
 - Modelling with SAP Web IDE and HANA Studio (Eclipse) Modeler and Development perspectives
 - Good Knowledge in SAP HANA Security including User Management, Roles, Privileges and experience in On-Prem, On-Cloud (Azure) and Hybrid environments
- **SAP HANA Performance Optimization:**
 - Input Parameters and filter expressions at table projection level to push the filters to DB level and conversion of variables to Input Parameters manually
 - Moving complex calculations to top level node of the reporting view or to backend transformations
 - Partitioning tables and distribution of partitions and redistribution of Master data across the nodes
 - Enhanced performance using various pruning technics, SQL hints and Plan visualizer
- **SAP HANA Data Provisioning Techniques:**
 - Proficient in **SAP SLT** configuration and replication of tables using various replication techniques
 - Expert in **SDA**, **SDI** and well verse with **SDQ** using remote sources, Rep Tasks and Flow Graphs
 - Extraction from SAP sources to Non SAP targets and vice versa using **SAP BODS**

- **SAP BW/4HANA:**
 - Expert in LSA++ and modelling using ADSOs, Composite Providers, Info objects and fields
 - Hybrid mixed modelling approach using both native HANA views & ADSOs generated views
 - Performed expert techniques: Delta Merge, Compression and Activation in Process Chains
 - Developed various queries using BW Query and Field level modelling using Open ODS View
 - Implemented AMDP in Start, End and Field routines to push the logic to Database
 - Extracted various HANA exposed data sources using ODQMON of ODP framework
- **SAP BW on HANA:**
 - Involved in Database Migration (Oracle to HANA) and BW Application Upgrade (7.4 to 7.5)
 - Performed pre & post migration and upgrade activities coordinating with Basis and DBAs
 - Migration of existing BW flows to HANA optimized data flows and compare performance gains
 - Applied application level SAP notes during the upgrade to fix various issues
- **SAP Classic BW:**
 - Expert architecting modelling using Infocubes, DSOs, Multiproviders, InfoSets and Infoobjects
 - Performance tuning using Indexes, Compression, Aggregates, DB Stats and Pre-Calculation
 - Extraction using techniques like LO extraction with Direct and V3 update delta mechanism
 - ABAP, DTPs, Open Hub, APDs, BEx Queries, Work books & Web Application Designer
 - Performed huge loads from SAP as well as Non SAP systems using various loading techniques

HIGHLIGHTS:

- **Hands on workshops (SAP TechEd):**
 - **SAP Analytics Cloud** using local and live data, Predictive Analytics: Historical, Recurring behavior Prediction and Enriching thru Predictive Factory
 - **SDI/SDQ:** Flow graphs/Replication tasks - batch & real time ETL, Monitoring and scheduling; Custom Adapters using SDK; Cleansing and Parsing data using Smart Data Quality
 - **Native HANA SQL:** Services: Node.js & SAPUI5, DB Dev: ▪HDI/Container ▪ SQLScript ▪ CDS, OData
 - **BW/4HANA** Conversion Paths: New Installation, In Place, Remote & Shell conversions
- **POCs and Road Maps:**
 - Played key role in developing Road Map for Costco's **Enterprise Data Foundation** merging both SAP and Non-SAP Analytic solutions into one point data solution powered by BW/4HANA
 - Exploring new features and technics, presenting POCs to the project, architect and leadership teams and involved in sales pursuits and prepared project proposals
 - Developed Learning Plan for the FTEs to support the technology of the Road Map
- **Reporting:** Trained in **SAP Business Objects Tools, Power BI, Tableau & IBM Cognos**
- **IBM Mainframe:** From AUG 1997 to MAR 2004, Legacy Mainframe development experience using COBOL, CICS and DB2 in various huge implementations with clients related to Government and Financial sectors
- **Status & Education:**
 - **STATUS:** US Citizen
 - **EDUCATION:** Bachelor of Science in Engineering
 - **CERTIFICATIONS:** Solution Expert in SAP BW (2002), **SAP HANA** (2012) & **BW/4HANA** (2019)