Amandeep Singh Arora

SAP HANA Consultant and Lead Developer | Microsoft certified Azure Data Engineer Associate |

Microsoft certified Power BI Data Analyst

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**SUMMARY**

* Have a total experience of around 13 years in the areas of Business Intelligence and data modeling, with specialization in native SAP HANA, SAP SLT and SAP BODS and SAP BO.
* Currently based in India, and international exposure of working at client offices all over the globe including UK, France, Germany and Australia
* Client list includes – Airbus, Nationwide Building Society, RBS Natwest, McKesson Corporation, PepsiCo, Kraft Foods, Stater Netherlands and more.
* Have worked in implementation as well as support projects in SAP HANA, SAP BW, SAP BODS and SAP BO. Development experience of end-to-end native HANA implementations – involved in data provisioning into SAP HANA, data modeling in HANA studio and data visualization using front- end tools like SAP BO Design Studio and Power BI. Apart from SAP HANA data modeling and reporting projects, extensive experience of working in data warehousing and ETL projects on tools such as Informatica BDM and Informatica PowerCenter.
* Solid SQL knowledge and extensive experience with writing SQL queries and stored procedures.
* Knowledge of cloud technologies, good exposure of working in data engineering projects in cloud environment and Microsoft certified Azure Data Engineer Associate.
* Good exposure of working in Agile development projects and using Jira. Good hands-on knowledge of the various Agile methodologies and principles.
* Played various roles in the past projects some of which include: SAP HANA developer/lead developer/senior developer, SAP HANA data modeler, data analyst, data engineer, ETL developer, data warehouse specialist.
* Excellent Communication skills, leadership qualities, good analytical skills and ability to work collaboratively in a team.
* Received top performer award in projects multiple times.
* Exposure of working across multiple domains such as Banking, Manufacturing and Retail.

**KEY SKILLS**

SAP HANA

* Data Modeling in SAP HANA. Creating various types of views in HANA – Attribute views, Analytical views and Calculation views.
* Creating CDS views and CDS table functions.
* SLT Replication, creating batch jobs in BODS to load/replicate data in HANA db.
* Reporting on HANA using data visualization tools like SAP BO Web Intelligence reports, SAP BO Design Studio, Power BI.
* Advanced HANA SQL knowledge.
* Performance optimization in HANA. Performance optimization of SQL scripted calculation views and CDS views.
* Stored procedures, scripted calculation views and table functions.
* Creating HDB tables.
* Creating NDSO.
* Experience of SAP Analytics Cloud.
* Migration of HANA objects (views, hdb tables and stored procedures).
* End to end reporting solutions created in HANA studio.

SAP BODS/Data Services

* ETL using SAP Data Services.
* Building SAP Data Services jobs, workflows and data flows.
* Creating data stores.
* Data reconciliation.
* Cleansing source data and data quality checks.
* Scheduling and monitoring BODS batch jobs.
* BODS jobs performance optimizations.

SAP BI/BW

* Reporting: Bex Analyzer, Query Designer, Work Books etc.
* Expertise in Data Modeling like Info Cube, DSO, Multi Provider, Info Object, Info Source Creation.

SAP BO

* Web Intelligence reports and universe creation in IDT/UDT.
* BO design studio.

Cloud technologies:

* Microsoft Azure (Azure SQL, Azure Data Factory, Azure Synapse, Azure Databricks)

Other skills and technologies (besides SAP HANA and SAP BO): ETL tools (Informatica, MS SSIS, Azure Data Factory, SAP BODS), data warehousing, databases (SQL Server, Oracle, Teradata, Mongo dB), Power BI, SAP BO, Hadoop/Hive, Microsoft Azure cloud data engineering, Jira, advanced SQL knowledge, Informix.

**EDUCATION**

B.E. (Computer Science and Engineering) from Panjab University

**PROJECT EXPERIENCES (selected recent projects)**

**PROJECT 1:**

|  |  |  |
| --- | --- | --- |
| Project Name | Airbus MFCT (HANA platform) | |
| Role | Lead HANA developer/architect, onsite lead | |
| Client | Airbus Germany | |
| Team Size | 7 | Module: SAP HANA |
| Environment | HANA Studio 2.0 | |
|  | Implementation | |
| Brief Project Description | Developed a tool on HANA which would pull data from SAP systems in France and Germany, do a comparison based on various parameter and calculate the discrepancy (in any) with regards to spare parts information maintained for various aircraft models. | |

**Contribution:**

* Lead HANA developer/architect at client’s onshore office in Hamburg, Germany.
* Designing and building CDS views and table functions, calculation views in HANA, in an optimized way to get the best performance from the capability of HANA platform.
* Replicating data from ECC tables via SLT replication.
* Understanding business requirements and coordinating with offshore team in India.
* Working with the front-end team to develop front end of the tool in UI5 and pull the data from information models created in HANA.

**PROJECT 2:**

|  |  |  |
| --- | --- | --- |
| Project Name | Airbus ICN HANA | |
| Role | HANA developer/architect | |
| Client | Airbus France | |
| Team Size | 14 | Module: SAP HANA |
| Environment | HANA Studio 1.0 SPS11, HANA Studio 2.0 | |
| Project Type | Implementation | |
| Brief Project Description | Developing A380 Technical Documentation criteria reporting system on HANA platform. A technical document criteria (TDC) is a manual for each of the A380 aircraft’s parts.  Taking data from SAP ECC tables, developed BI reports on HANA platform with front end reporting tool being BO design studio. | |

**Contribution:**

* Lead HANA developer/architect from offshore.
* Designing and building information models in HANA, in an optimized way so as to get the best performance from the capability of HANA platform.
* Replicating data from ECC tables via SLT replication.
* Creating CDS views and table functions.

**PROJECT 3:**

|  |  |  |
| --- | --- | --- |
| Project Name | IM Support Mortgages | |
| Role | BODS consultant at onshore | |
| Client | Nationwide Building Society | |
| Team Size | 18 | Module: SAP BODS |
| Environment | SAP BI 4.1 | |
| Project Type | Support | |
| Brief Project Description | Customer used BODS for making Mortgages data available to end users, with all the calculation logic being built in BODS jobs. As part of IM Support Mortgages, we were the primary support for any incidents/defects logged by the Mortgage report users in Service Now/ALM. We worked on the incidents and defect fixes and planned and supported releases for defect fixes. | |

**Contribution:**

* Primary onshore support and SPOC for IM Mortgages.
* Worked on fixes for SAP BODS defects logged in HP ALM.
* Worked on productions incidents and tickets from Service Now related to SAP BODS batch.
* Planned releases/patches containing fixes of ALM defects.
* Proactively identified any performance bottlenecks and optimized BODS workflows.

**PROJECT 4:**

|  |  |  |
| --- | --- | --- |
| Project Name | NRDC Inventory Dashboard | |
| Role | HANA developer cum architect, BODS developer, BO developer (backup) | |
| Client | McKesson Corporation | |
| Team Size | 4 | Module: SAP BODS/SAP HANA |
| Environment | HANA Studio 1.0 SPS09 | |
| Project Type | Implementation cum Support | |
| Brief Project Description | The client’s source database for Inventory data/reports was in DB2 and we replicated the required tables to HANA database though SAP BODS.  Designed and created BODS jobs, workflows and data flows for loading source tables from DB2 to HANA. Data quality checks and data cleansing done in BODS prior to loading data in target HANA tables. BODS batch jobs were scheduled. Views were created in HANA on top of these tables and consumed in front end web intelligence reports. | |

**Contribution:**

* Analyzed the requirements and created the design of BODS jobs and HANA views.
* Designed and created information models in HANA (attribute views, analytical views and calculation views).
* Define testing strategy for HANA data models.
* Created batch jobs in SAP BODS for replication of data from source database to HANA db.
* Created BODS jobs for data quality checks and cleansing of data.
* Scheduled the BODS jobs from Data Management Console.
* Created web intelligence reports on top of HANA information models.
* Monitored daily BODS job loads.

**CERTIFICATIONS:**

1. Microsoft Certified Azure Data Engineer Associate (DP 200 and DP 201)
2. Microsoft Certified Power BI Data Analyst
3. Infosys Certified Agile Developer

**PERSONAL DETIALS**

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