ANANYA BHATTACHARYA

SAP BW/BI-BPC-BOBJ-HANA Modeler/Architect Cell: 972 352 3449 email: ananya.bhattacharya99@gmail.com

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| SUMMARY OF EXPERIENCE |
| 1. Over 9 years of experience as a SAP BI/BPC-BO techno-functional consultant with 5 complete life cycle implementations involving data modeling, data extractions, report development including 1 complete life cycle implementation of SAP BI on HANA database. 2. Development,enhancements and support of BW-BO Environments. 3. Make Enhancements, test and work with End Users. 4. Monitored with Basis Team to create connectivity to HANA. 5. Trigger-Based Data Replication used with SAP Landscape Transformation (LT) Replication Server 6. Extraction-Transformation-Load (ETL) based Data Replication used with SAP Business Objects Data Services to specify and load the relevant business data in defined periods of time from an ERP system into the SAP HANA database. 7. Extracted Metadata from the source system into the Target SAP HANA system. 8. Configured on the HANA Studio the import server to pull data into HANA from SAP Business suite 9. Lead providing recommendations to client’s Basis, DB and Unix team. 10. Educated IT and business stakeholders on how best to leverage the BPC and BI platforms and maximize business benefits. 11. Documented BPC and BI solution architectures for various stakeholder groups. 12. Provided skill set and work effort estimates for solution realization. 13. Mapped business requirements to the SAP BPC & BI technology; negotiate with the business teams to maximize and adopt standard functionality. 14. Provided technical direction and support including prototype development for functionality demos and discussion with the business units. 15. Designed, developed and support solutions built on the SAP BPC and BI platforms. 16. Driving architecture & design conversations regarding BPC and BI solutions, and exercise authority and vision in decision-making. 17. Leading cross-functional issue resolution across teams and resources and serve as a liaison amongst IT and business teams. 18. Collaborating with infrastructure team, SAP project teams, Compliance, project managers and Business Analysts, and business leads as necessary. 19. Contributed to the SAP BPC and BI systems environment stewardship, and evangelize best practices in the software lifecycle 20. Service to internal and external customers in the BPC and BI ecosystem. 21. Providing team leadership and mentoring, sharing knowledge and cross-train on solution components. 22. Industry experience include : Utilities/ISU,Banking,Chemical, Gas,Pharmaceuticals and Manufacturing. 23. Experience in SAP BW3.5, BI 7.0/7.1/7.3/7.4 ECC 6.0,BW-IP, Upgrade from 3.5 to BI 7.3/7.4. 24. ABAP Programming on BI Routines and CMOD,BADI 25. Expertise in BW Components like Info Objects, InfoSources, Update rules, Transfer rules, InfoCubes, ODS, PSA, InfoSpokes and Info Packages, Queries, Calculated key figures, restricted key figures, variables etc. 26. Worked extensively on CO-PA, FI, LO Cockpit and Generic data Extractions. 27. Expertise in designing SAP BW interface requirements with both R/3 source systems as well as Non R/3 source systems in modeling of Info Cubes, Info sources. 28. Worked extensively on performance tuning, BW Statistics, Indexes, Data Marts, process chains, Error handling in subsequent processing, Business content installation, data cleansing in PSA. 29. Worked on reports using BEx Query Designer, BEx Analyzer and Web Application Designer. 30. Created and enhanced Data Sources using database views, InfoSets, and function modules. Hands on ABAP coding on extractions. 31. Experienced in ABAP programming techniques including Reporting, Dialog Programming, ALE, SAP Script and user exits. 32. Excellent technical, business, communication and time management skills. 33. Efficient and adept working in cross cultural and cross functional organizations due to exposure in both Europe and USA markets. |

Technical Expertise

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| Elements | Particulars |
| Primary Skills | SAP Net Weaver Business Intelligence (BI/BW) & Business Objects Enterprise (BO), SAP HANA |
| Operating Systems | Windows |
| Languages | Advanced Business Application Programming (ABAP), C, C++ & SQL |
| Development Tools | SAP – BI/BW, BOE, BIA, BO & HANA Studio |
| Scripts | JavaScript |
| Database Connectivity | MSSQL, Oracle |
| Databases | MSSQL, Oracle, DB2 |
| Configuration Tools | BAPI, DB Connect, Flat File Interface, UD connect |
| Domain Knowledge | SD, MM, FI, CO-PA, SNP APO, NEW-GL |
| ERP | SAP (Systems, Applications & Products in Data Processing) |
| Legacy Systems | Lotus Notes, SM7 (Service Manager) |
| Documentation | Requirement Study, Functional & Technical Specification Documents |
| Client / Server Technologies | SAP Web Application Server |
| Foreign Language known | English |

Experience Details (Starting from the Current Employer)

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| Sl. No. | Name Of The Organization | Designation | Joining Date | Relieving Date |
| 1 | ARKSolutionsinc North America  (Clientele:Chemtura) | SAP BI-BO-HANA Architect | February 2013 | Till Date |
| 2 | AtoS North America  (formerly Siemens IT Solutions and Services Pvt. Ltd.)  (Clientele: Federal Home Loan Bank,Seattle,WA; Carbo Ceramics Houston,TX;  Globe and Mail, Toronto,Canada) | Senior SAP Consultant (BI-BO) | December 2010 | January 2013 |
| 3 | Cognizant Technology Solutions Pvt. Ltd. (Benelux-Europe)  (Clientele: AkzoNobel NV - Holland) | Senior BI Consultant | January 2010 | November 2010 |
| 4 | Accenture Services Pvt. Ltd. (India)  (Clientele:British Petroleum,BP Thistle,EDF-Energy, UBS Pharma) | SAP BI Consultant | August 2005 | December 2009 |

**PROFESSIONAL EXPERIENCE:**

**Client: Chemtura Corporation, Connecticut**

Duration: February 2013 to Present

Role: SAP BI-BOBJ-HANA Lead

Scope: ​SAP BI 7.X Migration to HANA, BW Production Environment General System Health Checks, Monitoring, HANA Configuration with BO 4.X

* Support the BW and BOBJ Environments. Make Enhancements, test and work with End Users.
* Leader providing recommendations to client’s Basis, DB and Unix team.
* Additional requests like Support packs, system refreshes that needed estimation and prior approvals.
* Monitor Database and file system free space to avoid issues
* Worked extensively with SAP standard table - RSMSSPARTMON on the number of partitions happened at the database level.
* Checking the database backup logs and resolve failures
* Analyzing SAP, DB and OS logs for technical issues
* Monitoring SAP processes to avoid system operations issues
* Monitoring standard SAP housekeeping jobs (ST01/SU03/SM51 likewise)
* Monitoring SAP system performance
* Monitoring Memory and CPU consumption
* PSA Cleanup - RSAR\_PSA\_CLEANUP\_DIRECTORY in check/repair mode
* Monitoring lock entries and updates terminated

Company: AtoS North America – HQ: Houston, Texas

(formerly Siemens IT Solutions and Services)

Company Duration: December 2010 – January 2013

**Client: Federal Home Loan Bank,Seattle, WA**

Duration: January 2012 to January 2013

Role: SAP BI-BODS-HANA

Scope: SAP BW-BI-BOBJ/ HANA Consultant

**Responsibilities:**

* **Data Modeling:** Info Cube design, Info Source, Info Object maintenance, ODS object, Multi Provider, Update rules, Transfer rules, Info Packages, Info Package Groups; Key figure and characteristics – BADI - Restricted and Calculated Key figures,CMOD, Virtual key figures.
* **Extraction:** LIS, LO master data and transaction data (Full/Delta), Flat file master and transactional data, generic extraction, enhancements and strong exposure to CO-PA Extraction.
* **Reporting:** Business Explorer Analyzer Variables Calculated key figures, Formulas, Free characteristics, Filters, Exceptions, Conditions.
* Worked on SD, MM, Sales Overview And GAP Analysis Stock Overview and In FI Asset Payable And Receivable Cubes OFIAR\_C03 And OFIAR\_C02 ,0FIAR\_C01 and worked ON Queries i.e Overdue Analysis And Payment History, Day sales outstanding And Account payable
* Worked on Information broadcasting and VBA MACRO EXCEL. Sound knowledge in Visual composer. Published the Reports on the Enterprise Portal Dashboard
* Used RRI TO jump into another query to get detailed data
* Good knowledge on transportation and authorization.
* Ledger assignments for FECR Postings - (FECG)
* FERC extractors delivered with ECC6.0 and related content on the BW side.
* BW content related to FERC\_D1 and FERC\_D2 data sources.
* FERC related reports / queries in BW.
* Extensive SAP Experience with FI-CO (FI-AP/FI-AR)
* SAP ECC FERC process
* Identifying the cost objects (e.g., Work Breakdown Structure (WBS) elements, cost centers, orders, cost elements, and other cost collectors) relevant for FERC calculation.
* Identifying a list of FERC indicators to be assigned later to the cost objects.
* Identifying the cost elements relevant as part of the SAP FERC calculation.
* Establish the mapping relationships between natural SAP G/L accounts and SAP FERC accounts using FERC indicators and cost element ranges.
* Performing the assignment of FERC indicators to SAP ECC cost objects.
* Executing the FERC process to perform mapping and populate the FERC accounts with the data following the mapping rules.
* **Performance Tuning:** Rollup, Collapse, Aggregates, Reconstruction, and Partitioning of Info Cubes, Indexes.
* Created IDT (Information Design Tool) connection to build WEBI reports on top of BEX Queries through BICS
* Worked with BPC team to load General Ledger Actual Data from BW Info cube (ZNGL\_O10) to BPC system, manipulate and store into Cons cube (/CPMB/ZGIIKTC)
* Involved in BW-BPC integration for Project system Data loads
* Built complex WEBI reports by combining 3 OLAP universes using Merged Dimension
* Prepared User manual/authorization roles and also trained business users about WEBI functionalities.
* Exclusively worked on WEBI by using variable calculations, merged dimension, sections, Input Controls, Rankings, Query filters as well as Table filter functionalities.
* Built Cross Table, Column and Stacked Charts according to functional requirement provided by business users.
* Created report filters in the UDT (Universe Design Tool) to improve WEBI report performance.
* Worked on Performance tuning of WEBI and BEX reports by using Query Stripping, BI Indexes, BI statistics, Aggregates, Partitioning of Info cube and also OLAP based Cache.
* Extensively worked on the expert routine to load data from Inventory cube for Store Obsolescence report.
* Worked extensively on PM, MM and SD modules.
* Activated and enhanced standard PM Data Sources and also Data Modeling in BW system.
* Worked on Material Classification Data source configuration and connected as the attributes of material Info object.
* Extensively worked on SAP BW functionality like LO Extraction, update routines as well as developed custom BW cubes and queries for specific user requirements that could not be met by using Standard Business Content.
* Worked on extractions from heterogeneous Source System including SAP and non-SAP, Developing SAP BW Objects, applying extended Star Schema modeling principles in Data Design, used expert knowledge of data warehousing concepts, InfoCube data design and reporting
* Designed Sales MultiCube over the Sales order, Delivery and Billing cubes to provide visibility of data across the sales cycle in the same query
* Activated Standard Business Content and loaded large volumes of production data into InfoCubes pertaining to SD & MM.
* Configured and activated SAP BW Adapter in CRM to extract CRM related objects into BW.
* Extended Activity DataSource (0CRM\_SALES\_ACT\_1) in CRM to add custom fields like owner Id and buyer contact fields
* Created custom Master DataSources using tables, views, domains, ABAP query and set up Delta for custom fields.
* Extensively worked on reporting using BEx Analyzer, created calculated and restricted key figures, variables, exceptions, conditions, jump queries and Excel properties to meet client requirements.
* Implemented BW Web reporting and well versed with Web Publisher Wizard to publish views on the web.
* Developed Documentation on Business Explorer and Reporting for the End User.
* Involved in translating business process into business and technical requirements.
* Created Generic extractors/Cubes/ODS/objects in BI.
* Involved in creating Data Sources, Info sources, and Transformation.
* Extensively worked on extracting the data from SAP R/3 and Flat Files to SAP BI.
* Extracted data from different modules in SAP R/3 like FI/CO, CO-PA and SD.
* Involved in activating various Business Content objects for extracting Master Data and Transactional Data from SAP R/3 into SAP BI.
* Extensive work done on Process Chains as well as performance enhancing Aggregate tables and system settings and parameters to speed up loading as well as reading of data.
* Enhanced existing master data and transactional data extractors.
* Worked extensively with loading Transactional data.
* Created Multi providers by defining to utilize the existing data of the Basic Cubes and enhance reporting flexibilities.
* Worked on Restricted Key Figures, RRI Calculated Key Figures, Exceptions, Conditions, Variables and Filters.
* The client had Data Services jobs running on MySQL Server and worked on upgrade to HANA Database for performance tuning; worked extensively in the Data Services Upgrade.
* Business objects Data services is ETL tool which was used to extract data from source (ECC) and then load into HANA.
* Monitored with Basis Team to create connectivity to HANA.
* Trigger-Based Data Replication used with SAP Landscape Transformation (LT) Replication Server
* Extraction-Transformation-Load (ETL) Based Data Replication used with SAP Business Objects Data Services to specify and load the relevant business data in defined periods of time from an ERP system into the SAP HANA database
* Extracted Metadata from the source system into the Target SAP HANA system.
* Configured on the HANA Studio the import server to pull data into HANA from SAP Business suite.

**Carbo Ceramics - Houston Texas**

Duration: December 2010 to December 2011

Scope: SAP BW-BI-BOBJ/ HANA Consultant

install and configure production and development BI environment

SAP BA&T Edge BI w/ Data Management

3 Rapid Data Marts (Sales, General Ledger, Inventory)

install and configure SAP Data services (ETL)

Install and configure BI Platform

AD authentication

User setup and reporting groupsPortal layout

- Design and build up to 4 BI dashboards (Sales Forecasting Effectiveness, Inventory Snapshot, Logistics Snapshot, Financial Snapshot)

- Knowledge transfer to CARBO personnel, including end-user training and technical/functional hand-off to CARBO support personnel.

**The Globe and Mail - Toronto - Canada**

Duration: December 2010 to December 2011

Scope: SAP BW-BI-BOBJ/ HANA Consultant

Responsibilities:

The system was based on SAP BW 3.5 version with FI, PP, HR and MM modules and focus mostly on FI. Every month there was a critical period for the first 10 days where PCA and CCA jobs were of great importance and should be completed on time (before the start of business hours) otherwise reports showed incorrect values.

Day-to-day Activities included Job monitoring and rectification and Rectification of Reports

Common Issues faced were Failure of Jobs (process chains) and incorrect report values.

**Cognizant Benelux Europe**

**Client : Akzo Nobel NV Netherlands**

Duration: January 2010 to November 2010

**Role:** SAP BI BOBJ Consultant

**Scope: Spend Analysis Implementation**

Based in Amsterdam, Netherlands AkzoNobel make and supply a wide range of paints, coatings and specialty chemicals – proforma 2007 revenue totaled 14.4 bin. In fact, they are the largest global paints and coatings company. As a major producer of specialty chemicals they supply industries worldwide with quality ingredients for life’s essentials. AkzoNobel consists of 19 business units which are soon to be rolled out to 21 business units.

**The application areas covered are**

* SAP R/3 (4.6C, 4.7 and ECC 6.0)
* Data Services
* SAP BI 7.0

Responsibilitypertained to implementation of the Business Units of Phase 2 and Phase 3 of the Client. My responsibility included monitoring the various test data loads from Data Services Side to BW.

* Spend Analysis based job profile included
* Preparation of Reconciliation Documents w.r.t R/3 and BI Data.
* Scheduling of Process Chains on every 5th and 15 th working day of the month.
* Optimizing the Load and Recon Process – improve load and recon process until next load. Reducing time in the process.
* Added Sales force Info Object and also coded in the end routine for the NGPS Monthly Open Hubs.
* Changed DTP selections for NGPS monthly Open Hubs which are related Brand-Territory- Category level.
* Validated Open Hubs by matching Product Total Prescriptions with initial staging DSO values.
* Created a copy of transports to move BEx Queries from Production environment to development.
* Created test cases and scenarios to do validation in Development and Quality Environment.
* Worked on formula variable to populate namenda baseline end date as a key figure in the BEx report using customer exit.
* Built BEx queries using restricted key figures and new formulas to validate FPC sales force reports based on Business Transaction ID.
* Built and maintained OLAP universes with custom filters and prompts to meet the ad-hoc and canned reporting requirements in Business Objects.
* Utilized LCM (Life Cycle Management) tool for promoting/migrating WEBI reports and Universes from development to production environment.
* Worked on Universes to refresh BEx Query structure and also involved changing the pointer at the OS level.
* Worked on the Physician Call and Change WEBI reports to display Baseline End date (which is coming from BEx query as a key figure) on the heading of each measure in the report.
* Added separate tab to the Internal WAS WEBI reports for the FPC Sales Force and also made sure report is refreshing on open.
* Prepared Design Documentation to the DR project as well as FPC sales force project in the Microsoft Visio.
* Coordinated with Basis Team to move Transport Objects from Development to Production system.
* Monitored batch job processes after deploying changes into the Production Environment.

**Accenture India Pvt Ltd** – Mumbai - August 2005 – December 2009

**Clientele: British Petroleum /UK EDF Energy UK /BP Thistle Program /UBS Pharmaceuticals**

**Role: SAP Consultant / Business Reporting**

**Responsibilities:**

* Worked with business to scope the project and helped business users create Functional Specs
* Enhanced standard extractors to fulfill the Business requirements.
* Ledger assignments for FECR Postings - (FECG)
* FERC extractors delivered with ECC6.0 and related content on the BW side.
* BW content related to FERC\_D1 and FERC\_D2 data sources.
* FERC related reports / queries in BW.
* Extensive SAP Experience with FI-CO (FI-AP/FI-AR)
* SAP ECC FERC process
* Identifying the cost objects (e.g., Work Breakdown Structure (WBS) elements, cost centers, orders, cost elements, and other cost collectors) relevant for FERC calculation.
* Identifying a list of FERC indicators to be assigned later to the cost objects.
* Identifying the cost elements relevant as part of the SAP FERC calculation.
* Establish the mapping relationships between natural SAP G/L accounts and SAP FERC accounts using FERC indicators and cost element ranges.
* Performing the assignment of FERC indicators to SAP ECC cost objects.
* Executing the FERC process to perform mapping and populate the FERC accounts with the data following the mapping rules.
* Created data sources using generic and application specific extraction for FI and SD (OTC) modules and loaded the business content.
* Extracted the data using extractor (LO Extraction) 2LIS\_12\_VCITM (Sales-Shipping: Delivery Item), 2LIS\_13\_VDITM (Billing Document Data: Items), 2LIS\_11\_VAITM (Sales Order Item Data) to DSO’s and to the respective Cubes.
* Used both initializations with delta update and full update methods depending on the business requirement
* Extensive experience in performance tuning of queries by maintaining Aggregates, Indexes, Info Cube Partitioning and Info Cube Compression
* Extracted data from BW Info Providers using Open Hub Functionality to external systems through flat files and separate DB tables.
* Created process chains for daily data loads, Aggregates Roll up, etc. Created messages in the process chains for load failures using emails.
* Built BEx queries with Restricted Key Figures, Calculated Key Figures and Variables which would be utilized to build the Business Objects OLAP Universes.
* Designed and developed reports on sales and distribution cubes.
* Created a BW report on Sales Analysis Enquiries and a report on Daily Bookings and Shipments using company code.

**Configuration:**

* Handling configuration work which basically involve diagnosing / analyzing the problem or requirement suggesting a solution and recommending action.
* Validating the configuration requests suggesting rework actions. Carrying out Configuration tasks in the development environment Creating change request and releasing transport requests for moving the Configuration to the live Server.

**Regression testing:**

* Conducting test as required in the Pre-production server before the configuration is put in the live server.
* Testing may be of configuration, transaction or quality.
* Also includes Support pack testing, System Acceptance testing.

**Learning and training:**

Preparation of Learning and Training document and multiple data sets in the system for the users of the market that is going live.

**EDUCATION:**

* Master of Computer Science (BITS)

**SKILL SETS**

SAP BW 3.5, SAP BI 7.0,7.1,7.3,7.4, ABAP/4,BO 3.X, 4.0, BPC 10.X, BOBJ, SAP HANA

– SAP AG.