

PROFESSIONAL SUMMARY

- ❖ Naveen Elavarthi is a hands-on Technical CPI/BI/HANA Architect with 18 years of experience. He has experience working with SAP BI (beginning with one of the first five BW pilot customers worldwide) and has led six large SAP BI full life cycle implementations.
- ❖ 12 years of expertise working with retail industry.
- ❖ Expertise with BPC, F&R, S&OP and Demand Planning
- ❖ Advisory expertise - Architecture Reviews, Technical Reviews, Integration Reviews, Estimate validation, product design & development.
- ❖ Roles performed- Applications Integration lead, Technical lead, Reporting lead, Enterprise Data Architect, SAP BI solution Architect, Data migration consultant and OO ABAP developer.
- ❖ Design, Development, and Implementation of RICEF objects and System Integration.
- ❖ Expertise with SLT setup, develop, tune and troubleshoot
- ❖ Expertise with replication scenarios with HIGH volume data (ODP, Extractors, SLT)
- ❖ Experience with SDA/ SDI
- ❖ Experienced in all phases of software development life cycle, Project Analysis, Requirement gatherings (Functional and non - functional), Project Scheduling using MS Project, Quality Control, and Process Development.
- ❖ Lead Application and Data Integration. Managed project wide service demand for the new SAP implementation. Architecting and delivering end-to-end solutions.
- ❖ Expert in working with HCI-PI and HCI-DS tools using SOAP and OData protocols for various Business Application and Integration solutions
- ❖ Expertise in using Eclipse tool to create/enhance inbound and outbound integration flows; Also worked on few POC's to transfer data to and from SAP to third party cloud applications
- ❖ Expert in implementing Global (GDW) and Enterprise scale data warehouses (EDW) implementations and has cross industry background with significant experience in Energy, Oil&Gas, Utilities, Consumer Business/Retail, Wholesale & Distribution and Public-Sector industries.
- ❖ SME on POS, CAR – Integration using SLT/DS/PI, HANA live analytics and Reporting using Fiori apps.
- ❖ SAP Analytics Cloud experience include creating Story boards, models, dimensions, usage of various charts and consuming data from various SAP and non-SAP sources.
- ❖ Seasoned expert in BOBJ Enterprise Tool sets including Universe Designer, Information design tool, Web Intelligence, Live office, Xcelsius, SAP Crystal Reports, Analysis for OLAP, and SAP new generation products like Explorer, Lumira, Design Studio integration with Business Objects Mobile with in-depth knowledge on best practices for design and development.
- ❖ Performance optimization on WEBI reports, Bex/Universes and query stripping for OLAP universes
- ❖ Expert in using BODS to design complex ETL flows and Data Quality jobs. Worked on various migration and integration scenarios using SAP and non-SAP landscapes.
- ❖ Enhanced my skills and abilities working with Big 4 consulting firms (Accenture, IBM and Deloitte).
- ❖ Worked with various clients in evaluating, recommending, and selecting reporting tools and data warehouse components, including hardware, database management systems, data mining tools, and Meta data management tools.
- ❖ Solution Delivery Expertise in Global Roll outs, System Upgrade, Acquisition and Divestiture projects.
- ❖ Hands-on expertise:
 - SAP BPC, SAP HANA 1.0, 2.0, S/4, Sidecar, BW on HANA, BW/4 HANA, SAP ECC, SAP BI 7.5, SAP OO ABAP – BADI, BAPI, EDI, IDOC.
 - CI-DS (CPI-DS /HCI-DS), CPI-PI(HCI-PI), Odata and SOAP
 - BI Reporting tools - BEx Analyzer, Visual Composer and SAP BO BI 4.1 suite.
- ❖ Intermediate skills:
 - Tableau and QlikView.
 - Hadoop, Hive and R.

- Informatica

ADKO Consulting (Has been working closely with SAP on IBP Implementations)
July 2015 - Present

**Working on Multiple
IBP
Implementations
serving Retail,
Manufacturing and
Pharma clients**

July 2020 - Present

Role: Integration Architect/Developer

- S&OP, Demand Planning, Inventory Optimization and DDMRP Implementation
- Handling end to end integration on various end to end S4 implementations including architecting, developing, testing/validation.
- SAP CPI support for various business units across various geographies
- Handled all integration scenarios using various source systems
- Expert in IBP Add-on implementation/ BADI implementation
- Work with data ware house team to generate flat files through ETL process
- SAP HANA SDI – Establish communication scenarios between S4 and IBP
- Use of Power Shell commands to move/archive files
- Act as a liaison with Business and IT teams
- Create and own Technical Blueprint and Design documents
- Responsible for Master Data and KF data creation
- Master Data
 - Customer | Product | Location | Location Product | Customer Source
 - Customer Product| Resource Location| Production Source Header
 - Production Resource | Exchange Rate
- Transactional Data
 - Sales Quantity| Sales Revenue| Invoice Quantity| Invoice Revenue
 - Open Orders Quantity| Customer Forecast| Stock on Hand – Finished Goods
 - Stock on Hand - Grade| Gross Price| Safety Stock
 - In-Transit - Finished Goods
 - Internal Shipments – Grade
- SOAP WSDL data procurement from GCP and AZURE.
- Job scheduling using Control-M and Autosys
- IBP- Power BI Integration
 - Maintain Communication Users
 - Communication Arrangement /Scenario (SAP_COM_0143 and SAP_COM_0720)
- OData API for IBP -Power BI consumption
- Extensively worked on RFC based function modules to update data to ECC/S4
- IBP integration with Ariba and SAC
- OBP Integration between IBP and S4

Flowserve

January 2020 – June
2020

Role: CPI, SAP and MS SQL Development

- Work with Demand Planners and IT teams to procure data from several ERP sources (S/4 1511 & 1809, ECC, Oracle, JDA) required for IBP, perform data analysis, identify gaps and define mapping rules, cleanse the data and define business rules on the data set.
- Provide technical design approach to developers.
- Document ETL and Integration approach
- Job Automation
- Planned Orders creation in S/4 and ECC
- Planned Independent Requirements creation in S/4 and ECC
- Work with SAP NS2 teams on IBP and CPI Infrastructure set-up.

Fossil

October 2019 –
January 2020

Role: CPI- Integration Developer

- Work with SAP CPI and ABAP Architects/developers on CPI-DS product (ABAP Query within CPI) issues
- Data assessment from APO, BW and ECC as source systems
- Define optimal design approach to resolve performance issues with high data volumes
- Created all complex CPI tasks from and to IBP
 - Master and Transactional Data to IBP
 - Forecast Data from IBP to APO using SOAP WSDL
- Created Function Module based extractors to fetch information from MARA and MARC tables with complex filter logic
- Extensively worked with ABAP query options in CPI
- DSO creation in APO and BW to house Sales Data coming from various sources to provide input to IBP.

Expert in using various CPI functions – Lookup, Left Outer and Inner Joins, Date Functions, String Functions, Global variables, etc.

Shure Inc

September 2019 –
October 2019

Role: CPI - Integration Architect

- Responsible for initial CPI Infrastructure set-up
 - Agent Installation
 - IBP Add-on installation and set-up
 - SAP Authorizations | Client certificates | white listing of websites
- Data assessment from APO, BW and ECC as source systems
- Created all complex CPI tasks from and to IBP
 - Master and Transactional Data to IBP
 - Forecast Data from IBP to ECC using SOAP WSDL
- Created Function Module Based Extractor in ECC to send Exchange Rate Information to IBP

WCB

Char-Broil NA

Char-Broil Europe

ZEBCO

Role: SAP CPI, BW and ABAP Development

- Evaluate, Suggest and Implement appropriate CPI tools and web service protocol methods
- SAP CPI-DS(HCI-DS)

January 2019 – August
2019

- Agent Installation and Configuration on the on-premise environment
- IBPIECC and IBPIFND (SP09 Release level 110) Plugin installation in ECC
- Work with SAP to resolve issues with IBP plug-in.
 - Extend replication tables using BADI's
 - Extend IBP Master Data and Transaction Datasources
 - Extensive use of ETS_SELECTION BADI to enhance Datasources
- Source ► Target Systems
 - ECC ► BW ► CPI ► IBP
 - ECC ► CPI ► IBP
- IBP to ECC using WSDL's
 - Forecast Data (Consensus Demand)
 - Purchase Requisitions
 - Planned Orders
- Created Datasources in SAP BW and ECC and used as sources for IBP consumption
- Projects, Tasks, Process and Data flow creation to transfer Master and Transaction data between on-premise applications and IBP cloud platform
- Promoting tasks to production and monitoring the status of job schedules
- Extensively used standard and custom BAPI's and their associated methods (Create, Change, Delete, Getdetail, etc.,) and created/exposed web services using SOA Manager
- Extensive use of various functions in CPI
- Work with SAP, Basis and Security teams to resolve authorization issues during Agent installation and configuration
- Security issues resolution with SOAP WSDL's
- HANA Modeling - Create HANA Live VDM's to fulfill reporting requirements for NA and EU business functions
- Troubleshoot issues with time-series profile calculation
- **ABAP Expertise**
 - Core OO ABAP development using BAPI's and BADI's
- **BW Expertise**
 - Core BW development expertise

KPMG
May 2018 – Jan 2019

Role: Integrations Lead (CPI, XI/PO and ABAP)

- Cloud based Procurement and Sourcing Implementation
- Interface development using SAP CPI
 - Create dataflows using iFlows
 - Restful API
 - Flat file consumption
 - Purchase Requisition extract from ECC and sent to Coupa
 - Purchase Orders extract from Coupa and creation in ECC

- Source ► Target Systems
 - ECC ► CPI ► Coupa
 - Coupa ► CPI ► ECC
 - Legacy (on-Premise and Cloud) ► CPI ► Coupa
- **SAP HCI-PI**
 - Define Sender, Receiver and Parameters settings
 - Implemented SAP delivered iFlows
 - Enhance SAP delivered iFlows using Eclipse to enhance third party fields on vendor invoice.
 - Use of OData services
- OO ABAP Development
 - Master Data Extraction (Full and Delta) to Coupa
 - Extensively used standard and custom BAPI's and their associated methods (Create, Change, Delete and Getdetail) and created/exposed web services using SOA Manager
- HANA Modeling - Using HANA Live VDM's and CDS views

WCB

April 2017 – May 2018

Role: SAP Integrations Lead (BW, HANA & HCI-DS)

- Use of BW on HANA as an Integration Layer to transfer ECC data to IBP via CPI
- Create Master and Transaction data structures in BW and apply business logic to limit the data sent to IBP
 - Location | Product | Customer | UOM | MARC | Price & Cost
 - Sales History | Open Sales Orders | Open Deliveries
- Use of Application Jobs and Application Template tiles in IBP to set-up Job flows
- Projects, Tasks, Process and Data flow creation to transfer Master and Transaction data between on-premise applications and IBP cloud platform
- Implementing BW on HANA as an EDW reporting solution; Enabled business content and created various custom data structures.
- Created workflows using HCI agent to transfer data between on-premise applications and IBP cloud platform
- Extensive use of BODS to transform Legacy data for SAP IBP purposes.
- Load New Product Introduction (NPI) flat files to IBP cloud
- Work with SAP, Basis and Security teams to resolve Agent installation issues

TBC

July 2015 - December 2017

Role: SAP Integrations Lead (BW, ABAP, XI/PO)

- Worked at TBC on various HANA Sidecar and S/4 POC's, enhancements, design and performance improvement projects.
- Work on Enterprise reporting tool selection; Created 3 POC's using BOBJ 4.0 platform.
- Extensively using BODS to transform Legacy data for SAP IBP purposes.
- Develop BPC Reports/Input schedules as per the Planning business requirements

- Worked on Integration of FI-GL, APO related demand planning data into BPC for calculation of clients' logistics planning needs.
- BPC Performance Improvement activities like usage of BADIs, automation of Planning cubes compressions (lite optimization), BWA Indexes health checkup, log files deletion
- Maintenance of BPC system to support daily loads and adhoc business requests
- BPC Security including, teams, users, data access profiles and member access profiles
- Integration of BPC with BOBJ and data services for financial related data interfaces
- Projects worked
 - **Midas conversion**
Defined and implemented EDW reporting solution.
 - **Single view of vehicle (SVV)**
Defined solution architecture for "single view" of the Customer, Vehicle and Transaction (CVT).
 - **Revionics**
Implemented predictive analytics for price optimization and profitability analysis.
 - **SAP Retail warehouse conversion**
Enhanced BW landscape to include necessary structures required for reporting. Redesigned the standard inventory mechanism in BW to accommodate the non-cumulative structures.
 - **Carroll warehouse conversion**
 - **BW security enhancement**
- Design and performance improvement projects
 - Redesigned all CARS real time store reports, that are developed using ABAP and SOA architecture. (SOAP protocol and WSDL)
 - Enhanced performance of ABAP reports.
 - Redesigned Inventory process.
 - Created custom security functions and integrated to standard SAP functionality for WFM reports.
 - Developed and fine-tuned standard and custom reports on WFM for Corporate and Stores.

Cognizant Consulting (Associate Director)

October 2007 — June 2015

Zaffera LLC (BI Architect) – Acquired by Cognizant on September 2011

Clients: Walmart,
Endo Pharma, 3M and
various others
March 12 – June 2015

Roles Performed: SAP HANA Architect/Developer, Integration Specialist, SAP BI Architect/ Lead, Pre-sales Lead for Retail and Retail SME

Key Responsibilities:

- Performed Architecture reviews, Practice development, Road-map implementation and QA for various clients
- Responsible for sales pursuits within the SAP practice spanning SAP ECC 6.0 and Business Intelligence products
- HANA pre-sales lead for client POC's and assessment activities

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- Client relationship accountability for engagements
 - Vendor management - Go to Market initiatives working with vendors (SAP, Amazon, Lenovo, EMC, Hitachi etc.) for packaged sales plays
 - Responsible for P&L and delivery accountability for all retail clients within BI practice
 - Drive Digital Transformation Strategy across Retail, CPG, Manufacturing, Logistics & Utility Industries
 - SME on product development for cApps.
 - SME on Customer Activity Repository (SAP CAR); Built multiple POC's using structured and un-structured data.
 - Integration – SAP PMR | SAP CEI | Hybris | CRM
 - Reporting – Analytics HANA live | Sales Audit | Multichannel sales analysis | Inventory visibility
 - POC to obtain data from HADOOP to SAP HANA using MAP Reduce, Hive and SPARK functions.
 - **Hands-on SAP BW on HANA and Native HANA Expertise (worked on various versions including HANA Sidecar,1.0, 2.0, BW on HANA, BW/4HANA, BW 7.3,7.4 and BW 7.5):**
 - Created HANA Information models using Attribute Views, Analytic Views, Calculation Views and SQL Scripting.
 - Expert in creating Semantically Partitioned Objects (SPO), Advanced DSOs, Composite providers and Open ODS Views.
 - Extracting real time data using SLT and Smart Data integration (SDI).
 - ODP enablement of data sources.
 - Real Time Sales (TLOGF Table) HANA Analytical Model and consumption of HANA Model in SAP BW
 - Pre-and post-HANA migration of SAP BW from SQL Server database to BW on HANA; Extensively worked on migration testing / moving data from SQL Server based BW to BW on HANA.
 - SAP BW on HANA (BW 7.31) to Cloud migration (HEC - HANA Enterprise Cloud).
 - **Business Objects Expertise:**
 - BOBJ OLAP Universe using Universe Designer, Web Intelligence (WebI), Xcelsius dashboards.
 - Extensively used SAP Design studio to create Dashboards
 - Proposed and Implemented security matrix, Created Folders in CMC and implemented security on various objects of CMC (folders, Applications, Universe and Connections)
 - Migrated Access levels, User Groups, Applications, Universes and Connections, Folders and Reports, User and Categories from existing Business objects 3.1 deployment to Business objects 4.1.
 - Performance tuning by using aggregates, compression, OLAP Caching, Data packet sizing and Roll-Up; Implemented BOBJ Administration Best Practices.
 - **Archiving Expertise:**

- Implemented Archiving solution; SAP BW on HANA to Sybase IQ based Near Line Storage (NLS). DSO's and Cubes from the below functional areas are archived:
 - Sales/POS | Billing | Purchasing | Inventory snapshot
- Smart Data Access (SDA) in BW 7.4 to improve the reporting performance on archived data.
- Automated the archiving process using process chains
- Created OSS notes and Extensively worked with SAP to resolve few archiving related issues including the ones' listed below:
 - Database Server Connection Limit exceeded
 - Memory allocation issues/NLS space error
 - Table distribution issues

Delek US
June 11-Feb 12

Role: SAP Applications Lead

- Lead team of 12 people through project planning, developing project scope, reporting framework, resource and hardware planning.
- Identified operational, tactical and strategic key performance indicators (KPIs)

ULTA Inc.
Jan 11 –May 11

Role: Reporting Lead/Master data consultant

- Reclassified Merchandise hierarchy from 2 levels to 5 levels
- Gather business requirements from end-users, perform gap analysis, map business processes and analyze reporting output from SAP and legacy data
- Recommend an optimal information architecture, technology infrastructure, and change management and security processes for the reporting environments.
- Developed SAP BW queries and configured them to be exposed to Business Objects through BICS connection
- Developed OLAP Universes over BEx queries and applied MDX code on few objects.

WAWA Inc.(IS-Retail)
Jan 10- Dec 10

Role: EIM and BI Consultant

- Led the BI system upgrade effort
- Implemented EIM Operating model
- Develop concepts for data governance to support consistent views of information across both SAP and non-SAP systems.

Luxottica Retail. (IS-Retail)
March 09 – Dec 09

Role: BI Consultant

- Responsible for Implementation, Design, Configuration, Development, Integration testing and Go Live activities
- Design data models on POS DM Sales, Financial, Inventory and master data objects
- Design and create planning functions, DC Impact, On hand, Buyer report, Out of stock and various other reports and planning cubes
- Design and developed comparable sales report for the company and wall street
- Extensive coding for various RICEF's
- Performance tuned (Overall reduction of 33% runtime) on 0MAT_PLANT_ATTR extractor

- Worked with SAP to resolve critical technical issues with RSSTATMAN tables
- Designed and deployed business objects universes for Web Intelligence reports.
- Developed WEB INTELLIGENCE Reports using Calculations, Variables, Breaks, Sorting, Alerts, Prompts, slice and dice, and Drill down/up functionality for creating Master-Detail reports, Cross-tab reports related to the company's Accounting and Financial Planning.

WAWA Inc.(IS-Retail)
October 07- February
09

Role: BI-IP Architect

- Conducted requirements gathering workshops with various departments across the company in small focus groups
- Analyze, Customize and Map Forecast and Replenishment(F&R) requirements in SAP BI
- Configured and tested POS data, PIPE and POS DW with Sales Audit and Planning teams
- Designed data models using POS Information
- Work extensively on studying the Business Process, Planning, Data modeling and Reporting.
- Designed and Developed Market Basket Analytics
- Performance tuning of the planning functions and reports
- Developed Finance, Purchasing, F&R and Sales reports

IBM(Contract Consultant)

October 2006 — September 2007

Panasonic(Electronics)
Oct 06- Sept 07

Role: SAP Integration Lead (ABAP, BW & APO)

IBM has been engaged to complete the SCM Implementation.

- Led a team of 15 onsite and offshore resources through Blueprint, Design, coding, Data Modeling, System sizing and cutover activities.
- Created Master Planning Object structures for Demand planning
- System Sizing, resolve issues with BI transports, Live cache monitoring,
- Plan, develop, own and complete the RICEF list.
- Work with CIF, master data and transactional data integration between APO and R/3 including development of integration models.
- Plan, Prepare, Own Cut-over activities and close to completion
- Create User Exits to change the demand prioritization sequence in the CTM, performing zeroing out functionalities for particular key figures, summing up calculations for particular key figures for planning books, TLB User Exit.
- Load Channel Partner Inventory to ODS and calculate the In-transit, Blocked-stock, etc through a program by reading planning book values and loading back to the planning book.
- Use of various BAPI's to create Product, Product location and Transportation lanes
- Some of the Interfaces Include - receive SNP-E2E allocation data from CTM pegging relationship into SNP-VMI, receive SNP-VMI demand data into SNP-E2E, Inbound and outbound Interface developments for I2 VMI, Interfaces to Manugistics
- Provided data models on SNP, DP, POS and GATP to allow analysis and prediction of

GATP Order and Delivery, VMI Forecast, Fair share, Inventory Snapshot, Material movements, Store level planning, RO Dashboard etc.

Deloitte(Full Time -Manager)

July 2005 — August 2006

General Atomics
May 06- August 06

Manufacturing –Aerospace and defense

Role: SAP BW Project Lead

- Lead a team consisting of 10 consultants through the project requirements definition, planning and design activities including architecture, data modeling and system sizing.
- Created data models to support reporting needs around below business areas:
 - Project systems
 - Sales and Distribution
 - Inventory Management
 - Procurement

Houghton Mifflin
(Publishing Services)
Jan 06- April 06

Role: SAP Integration Manager

- Lead a team of 15 people, coordinating all activities including requirements gathering, architecture design, data modeling, development activities and testing strategies.
- Continuously re-evaluate project status, identify issues and risks, and provide recommendations for resolution and escalate when necessary
- Modules involved - OTS, SCM and FI
- Plan, develop, own and complete the RICEF list.
- Design and Architect Market Data Retrieval (MDR) used to analyze trend analysis using Sales data

G&K Services (IS AFS)
Dec 05-Jan 06

Role: BI Reporting Lead

- Responsible for deploying AFS business content
- Implemented Key Performance Indicators (KPIs) to facilitate operational, strategic and regulatory reporting.

Deloitte Internal SAP
Implementation
CRM Leadership Portal
July 05-Nov 05

Consulting– Strategy & Operations

Deloitte has Implemented SAP for its internal operations.

Role: Reporting Lead

- Gather global reporting requirements from various lead markets and enforce standardized reporting process globally to leverage competitive advantage in the global market place
- Design, develop and test complex custom extractors, transformation and reports.
- Conducted in-house workshops and Business Warehouse awareness training to various SAP R/3 module implementation teams.

Accenture (Full Time Employee)

April 2001 — July 2005

DuPont (Chemical
Industry)
Aug 04-July 05

Role: BI Project Lead

- Lead a team of 15 people through BW upgrade from BW 2.0 B to BW 3.3 C. This project involved more of coordination work with Basis, IBM Hardware (an outsourced environment), BW security, development/configuration and testing teams
- A separate application is used, to track all the problems encountered during the upgrade and OSS notes which were applied to resolve them. Deployed the power user community

to test the entire ~ 500 plus queries and development/configuration team to test all the data loads.

- Involve in Core Data Integration with PS, APO for Demand Planning, Supply and Inventory
- Source system study, customization of extract-structures and preparation of data sources with customized Function modules.
- Creation of Info package groups, Event Scheduling, Monitoring settings
- Perform SWAT metrics, Analyze the early watch report and take actions as required

Boston Scientific
(Manufacturing -
Medical Equipment)
Aug 03- July 04

Role: SAP Integration Lead

- Lead team of 8 people responsible for the development of an Enterprise Information Strategy to facilitate the use of ERP and supply chain information sources within a data warehouse landscape.
- Managed project over entire process life cycle from project charter to post go-live analysis and performance improvements.
- Responsible for design, implementation and training of Business Information Warehouse product and extraction of data from multiple information sources.
- Implemented new Key Performance Indicators for supply chain and financial reporting.
- Configured Business Warehouse for SAP financials, controlling, profitability analysis and Sales & Distribution.
- Developed key cross modular reports comparing R/3 CO-PA and Sales & Distribution information.

Shell UK (IS Oil & Gas)
Mar 03 – Jul 03

Role: SAP Technical Lead

- Carry out business blueprinting with participation of global BW teams
- Develop and build BI platform as a business solution for global reporting needs
- Roll-out global solution in pilot countries; Parallel roll-outs for rest of the globe
- Deployment of IS-Oil & Gas downstream business content.

British Gas (Energy and
Gas Utility Company)
June 02-Feb 03
Centrica Project

Role: ABAP/4 (IS-Utilities) Developer

- Preparation of technical specifications, interfaces, conversions, code reviews and unit test plans
- Design, Build and Test Interfaces using BAPI's, BADI's and RFC's.

DuPont (Chemical
Industry)
April 01-May 02

Role: ABAP/4 Developer

- Process study, Implementation, Documentation and testing.
- Interfaces, User Exits, BAPI, classical and interactive reports using ABAP query ABAP/4 programming, report writer and painter tools.
- Worked on OTC, MM and FI modules
- Worked on HR Infotypes
- Production support specialist

Education

Master of Computer Applications from Madras University

Bachelor of Science with specialization in Math's, Physics and Computer Sciences