



# SIVARAJAN KALIAPPAN

SAP ANALYTICS CONSULTANT

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## Experience Summary

- ❑ On a whole, 12+ years in Analytics and Business Intelligence space in the IT Industry.
- ❑ 4+ years of experience in leading SAP Analytics solution implementation and delivery at a detailed level.
- ❑ Strong leadership skills combined with management communication skills and ability to liaise with top management.
- ❑ Delivery oriented with the ability to structure the project and deliverables/manage project teams.
- ❑ Delivered projects as Technical Lead for customers, including support during requirement gathering phase, analysis of system landscape, technical design, and development of interface.
- ❑ Lead and participated in business sessions to identify and document analytic use cases.
- ❑ Contributed to the overall planning of projects by recommending approaches, identifying resources, developing timelines and resource estimates.
- ❑ Coached and trained team members at various stages of projects. Additionally, as one of the trainers of the Centre of Excellence teams, conducted multiple streamline trainings to lateral resources.
- ❑ 10+ years in SAP BI development projects involving SAP BW, Native HANA, BW/4HANA, S/4HANA Embedded Analytics, SAP Business Objects, SAP Analytics Cloud.
- ❑ Multiple SAP Certifications such as: BW/4HANA 2.0 (SAP Certified Application Specialist and SAP Certified Application Associate), SAP Analytics Cloud, SAP HANA 2.0 and SAP HANA 1.0 (SAP Certified Application Associate).
- ❑ Strong experience in SAP BW, BW on HANA & BW/4HANA including Modeling, Reporting and ETL including ODP Data Extractors, ABAP CDS Views, SDI/SDA.
- ❑ 3+ years of hands-on experience in S/4HANA Embedded Analytics for operational reporting with strong experience in ABAP CDS Views, Fiori Apps such as Multidimensional Report, KPI modeler etc., S/4HANA based extractions to BW4HANA for organizational strategic reporting using ABAP CDS Views.
- ❑ 8+ years in SAP HANA development including HANA modeling, HANA SQL scripting, ETL using SDA, SDI/SDQ.
- ❑ Subject matter expert in performance optimization of SAP HANA calculation views and SQL stored procedures.
- ❑ 2+ years of SAP SAC development including Story creation and Modeling with data from BW, HANA, S/4HANA cloud and on-premise environments.
- ❑ 6+ years of experience in developing functional, technical specification documents and design best in class technical solution to support analytical/reporting activities.
- ❑ Good knowledge and experience in analyzing ABAP programs and SAP ECC data model and analysis, especially FICA, FICO, SD, MM.
- ❑ Turned complex business requirements into feasible technical solutions.
- ❑ Resolved simple to very complex reporting and implementation issues of clients and provided knowledge transfer to customers.

## Profile

Professional with over 12 years of experience in IT industry around the field of SAP Business Intelligence as a Lead Consultant possessing great efficiency, productivity, and good communication skills. Highly motivated, creative, and disciplined individual focused primarily on solutions leveraging Native HANA, SAP BW, BW/4HANA, S/4HANA Embedded Analytics and SAC. Strong expertise in BI, Data Warehousing and Analytics tools/concepts.

## Technical Skills

- ❑ **ETL Tools** ODP Extractors, SAP SLT 2.0, SAP EIM (SDI/SDQ)
- ❑ **OLAP Tools** SAP Native HANA, SAP BW 7.3, BW 7.5 on HANA, BW/4HANA
- ❑ **Reporting Tools** SAP Analytics Cloud, SAP BEx, SAP BO 4.2, Microsoft Power BI
- ❑ **Databases** SAP HANA, Oracle 10.x, Microsoft SQL Server

- ❑ **Data Modeling Tools**      SAP HANA Studio, Eclipse
- ❑ **Languages**                HANA SQL Script, ABAP CDS View, AMDP, ABAP
- ❑ **ERP Tools**                 SAP ECC, S/4 HANA (SAP GUI)
- ❑ **Organizing Tools**        JIRA, Remedy, HP ALM, Service Now

## Education

- ❑ Bachelor of Technology, B. Tech (75%) Computer Science & Engineering, Dr. M.G.R University, 2004 – 2008.

## SAP Certifications

- ❑ SAP Certified Application Associate – SAP HANA 2.0 (SPS04) – [C\\_HANAIMP\\_16](#), June 2021.
- ❑ SAP Certified Application Specialist - SAP BW/4HANA Delta 2.0 – [E\\_BW4HANA200](#), July 2020.
- ❑ SAP Certified Application Associate - Reporting / Modeling and Data Acquisition with SAP BW/4HANA 2.x – [C\\_BW4HANA\\_20](#), July 2020.
- ❑ SAP Certified Application Associate – SAP Analytics Cloud – [C\\_SAC\\_2008](#), August 2020.
- ❑ SAP Certified Application Associate - SAP HANA – C\_HANAIMP\_141, November 2015.

## Work Experience

**Liberty Utilities, Oakville, Ontario, Canada**

**Sep 2020 – Present**

**S/4HANA Analytics Consultant, Contract – Fulltime**

**Project: Customer First Transformation - S/4HANA Embedded Analytics**

- ❑ Design and development of custom interactive self-service reports using ABAP CDS Views, AMDPs and Fiori Apps.
- ❑ SAP Fiori Apps configuration and development such as Multidimensional Reports and KPI Reports.
- ❑ Enablement of SAP standard Transactional and Analytical Fiori Apps, by assigning them to custom catalogs and groups.
- ❑ Development of models and stories (reports and dashboards) in SAP Analytics Cloud (SAC) with S/4HANA On-Premise environment as the source.
- ❑ Activated Standard Embedded BW queries and Virtual Providers for Standard Analytical Fiori Apps using these queries.
- ❑ Involved in various test and fix phases of the development lifecycle such as FUT, ITC and Post Go-Live (Hypercare).
- ❑ Being a client stakeholder, coordinated regularly with the offshore vendor team with regards to the development activities.

**Technical Environment:** S/4HANA On-premise system (Eclipse and SAP GUI), SAP Fiori, SAP Analytics Cloud, SAP AFO, Service Hub, HP ALM, Trello

**IBM Global Services, Chennai, India**

**Jun 2018 – Dec 2019**

**Lead Consultant, Fulltime**

**Client: TEVA Pharmaceutical**

Responsible for clarifying business needs and solution requirements to identify, communicate solution options and implications and provide pre-project high-level time assessments to project and client team. Provided subject matter expertise to TEVA BI Team and Business Unit teams on issues related to HANA and BW.

**Project: S/4HANA & BW/4HANA Project: MDG, Financial Management & Controlling, Sales and Distribution Reporting**

- ❑ Involved in the building of S/4HANA MDG (Master Data Governance) consolidation, Account Receivables, Account Payable, General Ledger, Asset Accounting, and Sales & Distribution models in BW/4HANA system.

- ❑ Reviewed business requirements and interpreted these into an architectural design and information models in BW/4HANA system.
- ❑ Involved in functional designing of BW/4HANA MDG, Financial, and SD models by analyzing the existing inputs from end-users.
- ❑ Managed technical design and development of objects such as Dataflow Objects, InfoObjects, Advanced DSOs, Open ODS views, Composite Providers, Semantic Groups, Data Sources, Transformations, DTPs, Process Chains, Analytics Queries, Calculation Views, and Table Functions.
- ❑ Used multiple BW/4HANA Architectural design including top-down approach, bottom-up approach, mixed modeling scenarios based on the reporting requirements.
- ❑ Enhanced standard ABAP Core Data Services (CDS) views and developed custom CDS models for operational reporting in SAC.
- ❑ Worked on development of BI reports using SAP Analytics Cloud, SAP BO Webi, and Analysis for Office
- ❑ Responsible for data extraction through ABAP CDS Views, ODP Extractors, SLT Replication and SDI.

**Technical Environment:** SAP HANA 1.0 SPS12, BW/4HANA 1.0, S/4 HANA, Eclipse, SAP Analytics Cloud, SAP BO Webi, Analysis for Office.

#### **Project: HANA-ABAP Hybrid: DOHDRH**

- ❑ Initially worked extensively on HANA SQL performance optimization where HANA Proxy Stored Procedures were used in tandem with ABAP objects for UI5 reporting.
- ❑ Developed Calculation views and external ABAP views.
- ❑ Configured SLT, HANA table partitions, and SDI.

**Technical Environment:** SAP HANA 1.0 SPS12, SAP ECC, SLT, SDI, Eclipse, UI5, HP ALM.

**Accenture Solutions Private Limited, Chennai/Bangalore, India**

**Sep 2014 – Jun 2018**

**Application Development Team Lead, Fulltime**

Client: Siemens

**Siemens HANA Factory Summary:**

**Feb 2016 – Jun 2018**

The Siemens HANA Factory supports the Siemens BI re-platforming, involving 70 source systems and 40+ BI systems that were scattered across various instances to One Native HANA Data Lake. This was part of the "One Siemens" vision initiative. It is an AD project with T&M with Cap Contract Type following the Agile Delivery Method.

- ❑ Involved in end-to-end Native HANA and BW on HANA development as SME/Use case Lead.
- ❑ Involved simultaneously in multiple use-cases in Siemens HANA factory providing technical and functional assistance to multiple junior members and new developers.
- ❑ Worked on the ABAP CDS views for real-time BW reporting. Recreated the BW data sources as CDS views where the S/4HANA system was the source system and these CDS views consumed as Open ODS views for reporting by the BW team.
- ❑ Worked on S/4HANA 1709, creating, enhancing, and activating Fiori analytical apps, ABAP CDS Views for S/4HANA analytics.
- ❑ Developed BW on HANA Data Flows, InfoObjects, InfoCubes, Advanced DSOs, Open ODS Views, Composite Providers, Infopackages, DTPs, Transformations, Data Sources, and BEx Queries.
- ❑ Responsible data extraction from SAP and Non-SAP source systems to BW using SLT ODP Extractors, standard DataSource extractors, ABAP CDS Views, and SDA.
- ❑ Designed and developed more than 30 complex models and objects including calculation views (both scripted and graphical), hdb procedures, hdb objects and xs jobs.
- ❑ Worked extensively on performance optimization of HANA views and stored procedures.
- ❑ Created documentation for HANA best practices and recommendations from SAP and mentored the team members on the same.

- ❑ Coordinated team and client and led the sprint/scrums where we followed agile methodology using JIRA to organize the tasks.

## **Role and Responsibility: Customer Location**

**Feb 2017 – May 2017**

I traveled to Munich, Germany for 3 months as a part of the user requirement gathering of the BW on HANA project.

- ❑ Conducted and participated in design thinking sessions with key business stakeholders to capture functional and change management requirements.
- ❑ Developed functional and technical specification documents and shared technical best practices and insights with business teams and functional teams.
- ❑ Supported business manager in writing the Business Scope Statement.
- ❑ Analyzed the business processes, reviewed several data sources, proposed, and discussed suitable solutions with the business.

**Technical Environment:** SAP\_HANA 1.0, HANA XS, SAP Analytics Cloud, SAP ECC, BW on HANA, Oracle PL/SQL, SLT, Eclipse, UI5, JIRA Microsoft Power BI.

## **Client: Pitney Bowes**

**Sep 2014 – Jan 2016**

This was a Greenfield implementation project using SAP HANA (Side-car approach). I was responsible for the following: SAP HANA data modeling with Standard HANA Live content and custom views (both scripted and graphical). Responsible for both design and build of the information models, such as preparation of technical design documents, building, and unit testing the information models. I had built nearly 12 reporting Calculation Views both Graphical and Scripted (multiple sub-views) as part of this project and I did the end-to-end documentation for the same as well.

### **Technical Scope:**

- ❑ SAP HANA was used as a side-car data warehouse. Reports from HANA are developed using the COGNOS platform.
- ❑ Data were extracted into SAP HANA using SLT for SAP ECC and BODS for Oracle Leasing Finance Management & SQL server and constructed into data models to form the Enterprise Data Warehouse. These data models were the basis on which users are building their reports using the COGNOS reporting tool.
- ❑ HANA Live pre-delivered standard content from SAP had been leveraged to as much an extent as possible; Customization was done wherever required.
- ❑ Single-Domain data models and Cross-Domain data models are built across four different source systems such as SAP ECC & SRM, OLFM, IBM CPQ, and SQL Server.

### **Role:**

- ❑ Involved in defect fixes that were found during Functional Acceptance Testing and System Integration Testing. Further, developed the models for the new Change Requests.
- ❑ Solely responsible for the deployment of objects from Dev system to QA/Production systems using delivery units.
- ❑ Involved in performance optimization of the completed HANA artifacts for better performance in QA and Production systems.
- ❑ Managed table replication through SAP BODS.
- ❑ Created test cases for unit and integration testing.
- ❑ In the last two months, we were in hyper care support (postproduction support) and used the Remedy tool to manage the incidents.

**Technical Environment:** SAP HANA 1.0, SAP Data Services, IBM Cognos Framework Manager, Oracle Leasing Finance Management, SAP ECC, IBM Sterling CPQ, Eclipse.

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**CAPGEMINI, Bangalore, India**

**Nov 2011 – Aug 2014**

**Process Lead/Senior Consultant, Fulltime**

**Team1: SAP HANA Center of Excellence**

**Mar 2012 – Aug 2014**

- ❑ Worked along with the HANA COE team in various Use-Case scenarios and participated in various training programs/drives. Our major focus is to create business opportunities around the SAP products such as SAP HANA, SAP Lumira and PA, and SAP BO to develop the required skillsets within the organization to meet the customer needs.

**Technical Environment:** SAP HANA, SAP Lumira & PA, SAP BO.

## **Team2: GBS Analytics**

**Nov 2011 – Aug 2014**

**Client: Armstrong World Industries – GBS Analytics**

### **Roles & Responsibility:**

This was an SAP BW 7.3 implementation project. My main responsibility included SAP BW technical development and BI advanced reporting using SAP Business Explorer and Microsoft Excel (VBA).

- ❑ Developed new data models and BEx queries as per business requirements and enhanced existing BI dataflows and BEx queries based on business requirements.
- ❑ Responsible for the creation of Infocubes, DSOs, Multiproviders, Infopackages, DTPs, Transformations.
- ❑ Created APDs to reconcile and validate data between multiple targets. Loaded data from MM, SD, and other LO, FI-CO Datasources, and flat-files by creating and enhancing standard & generic Datasources.
- ❑ Worked on items like performance tuning by creating and maintaining Aggregates, monitoring data load activities and daily data loads to the various data targets, monitoring & troubleshooting Process Chains on a weekly and monthly basis, report automation, and scheduling through BI portal.
- ❑ Good knowledge of SAP ABAP. Worked on debugging of several routines within transformations across the LSA.
- ❑ Worked on SAP BEx Queries, Query Designer, and Web Application Designer (WAD). Have analyzed several Planning layouts which include integrated Input Ready Queries.

**Technical Environment:** SAP BW 7.3, Integrated Planning, SAP Business Explorer Reporting, SAS/BASE 9.1, MS Access, MS Excel (VBA).

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## **Softcrylic Technology Solutions, Chennai**

**Oct 2010 – Nov 2011**

### **Analyst/Web Analytics, Fulltime**

**Client: The Weather Channel, USA – Web Analytics**

- ❑ Involved in online analytics and optimization space, analyzing website and user behavior, generating reports, creating dashboards, and performing ad hoc analysis. Managed multiple web analytics programs to include measurement strategy, tagging recommendations, scorecard development, ongoing reporting, site testing, setting goals, and funnel conversion metrics with strategic site optimization plans for clients.

**Technical Environment:** Omniture Site Catalyst, Omniture Discover, Omniture Dashboard Player, Google Analytics.

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## **Dot Com Infoway, Madurai, India**

**Mar 2009 – Sep 2010**

### **Executive/Search Engine Marketing, Fulltime**

**Clients: Bwired Web Development Services | Planning Force – Project Planning and Resource Planning Software**

- ❑ Assisted many clients to increase web exposure (and sales) globally in a relatively short period by using proven search engine optimization and search engine techniques. Involved in preparing requirement analysis document, marketing plan document, site analysis document, and project plans.

**Technical Environment:** Google Analytics, Google Pay-Per-Click and MS Excel.

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