

# SAP Technical Architect – Saravanan Ravi

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+91-9791006671 – [ravichandran.saravanan@gmail.com](mailto:ravichandran.saravanan@gmail.com)

## Profile

**Total experience:** 21 Years

**Current Job Title:** Senior Manager

SAP Architect with over 20 years experience in SAP Basis Administration & Consulting. SAP Technology Consultant with solid hands-on experience in SAP Implementation, Upgrade, Migration, HADR and Cloud Architecture. Service Delivery with direct customer facing roles over multiple SAP implementations, Migration projects and AMS Support engagements. Extensive working knowledge in designing infrastructure on cloud for SAP workloads.

## Skills

- SAP Technology Architect
- SAP Cloud Architect
- SAP Migration Lead
- SAP HANA Architect

## Certifications (Active)

- SAP Certified Professional - Solution Architect - SAP BTP
- SAP Certified Consultant - SAP S/4HANA System Administration
- SAP Certified Specialist - SAP S/4HANA Conversion and SAP System Upgrade
- SAP Certified Specialist - Implementation Consultant - SAP S/4HANA Cloud Private Edition
- SAP Certified Associate - Database Administrator - SAP HANA

## Application Mgmt.: SAP

S/4 HANA, BTP, Cloud ALM, ECC, SRM, CRM, SCM, MDG, EWM, EM, TM, GTS, HCM, BW, Solman, TREX, PI, Enterprise Portal, Biller Direct, CLM, ADS, SLD, MII, PCo, IDM, Redwood CPS, SLT, NWDI, SAP Leonardo IoT, Fiori / Gateway, SAP LaMa. SAP CPI, SAP Cloud Connector, SAP SAC.

**3rd party tools:** BSI, Sabrix, OpenText, Vistex, Cypress, Loftware. Esker, Avalara, Vertex, BarTender, GeorgiaSoft RF Console, Grafana, Zabbix, Avanza.

**Database:** HANA, Oracle, MSSQL IBM DB2 LUW

**OS:** RHEL, SuSE, HP-UX, Windows

**High Availability:** SLES Pacemaker/Corosync, MSCS, Sun Cluster, Redhat Cluster, SAP HA

**Hyperscalers:** Azure, AWS, GCP, Rise with SAP

## Current Work Profile

- 20+ years of experience in SAP Basis Administration / Technology Architecture
- US Patent No: US 10,775,776 B2 for SAP Architecture of Digital Manufacturing using SAP Leonardo.
- Currently working as Delivery Head & Practice Lead for SAP Basis Operations.
- Past role: SAP Cloud Architect shaping SAP cloud migrations to Azure, AWS & GCP.
- Hands-on SAP system administration – build/maintenance/support of High Availability SAP HANA systems in SuSE Linux – Pacemaker, MSCS, Sun Cluster, HP ServiceGuard, RHEL Cluster.
- SAP Enhancement Package upgrade – Planning, Design, Deployment and Go-live support.
- Experienced Technology Consultant, Architect & Administrator with hands-on administrative experience managing SAP R/3 4.6C, SAP R/3 4.7 Enterprise, SAP Web AS 620/640, SAP Netweaver 2004s, SAP ERP, SAP S/4 HANA, SAP BTP, SAP SRM, SAP Exchange Infrastructure/Process Integration (SAP XI), and SAP Business Intelligence (SAP BI).
- Expertise in installation, configuration and maintenance of dual stack SAP systems (ABAP + Java).
- Proficient in the installation of SAP R/3 and SAP Netweaver systems and consummating the same by licensing the SAP system, kernel upgrade, setting up the transport management system –TMS, application of support packs and plug-ins, creation of clients, user management, scheduling of background jobs and spool management.
- Expertise in administering a Web AS Java system using the J2EE Visual Administrator, applying patches using Software Deployment Manager (SDM), application of SAP support packs using Java Support Pack Manager (JSPM).
- Installation and Configuration of Adobe Document Services to render PDF functionality to SAP applications.
- Installation of the SAP Solution Manager and configuring the maintenance optimizer, scheduling and maintenance of SAP EarlyWatch Alerts.
- SAP Language pack deployment – SMLT.
- Installation and configuration of SAP Router to establish connectivity between the client systems and SAP.
- Database administration of HANA, Oracle, MS SQL Server and DB2 LUW
- System Refresh / System Copy expert.
- Configuration of Federated Portal Network in a SAP Landscape.
- SLD Update and SLD Bridge setup.
- Build and configuration of SAP IDM 710 Design, Runtime and Database components.
- TREX setup and configuration
- Setup of a single instance SAP Web Dispatcher load balancing multiple SAP systems across the landscape.

## **Selected Work Experience**

### **Largest North American Railroad Operator – On-premises + SAP RISE**

- Delivery Lead for SAP Technology – Basis 24/7 Operations
- Managing 14 FTEs at Offshore delivering AMS Production support for more than 50 applications in a 24/7/365 coverage model for a very large 5-system SAP ecosystem.
- Support for SAP S/4HANA, ERP 6.0 EhP8, BTP and SaaS applications, Solution Manager/Cloud ALM, Portal, 3<sup>rd</sup> party applications like Vertex, BSI TaxFactory etc running workloads in IBM AIX, SuSE Linux, Windows, IBM Db2 and SAP HANA,
- Ensure good and consistent team performance on their on-time delivery without breach of SLAs.
- Mentor the Basis team on technical expertise as well as drive continuous improvement of the team by rotating the members to own and support different SAP systems.

### **North American Fruit-based Beverage Company – SAP RISE**

- SAP Technology (Basis & Cloud) Tactical and Strategic advisor.
- Assess health checks of Production systems - monthly analysis & recommendations based on Early Watch Alert reports.
- Anchor and orchestrate weekly meetings between SAP ECS and Client.
- Capacity Planning and Trend Analysis.
- Raise/ Co-ordinate SAP Incidents/Service Requests/Change Requests.
- Mitigate Top issues and coordinate with SAP for mitigation/resolution.

### **North American Retailer Supermarket chain – Advisory SME**

- SAP HANA High Availability setup of Sidecar application.
- SUSE Linux Pacemaker cluster setup.
- HANA Table partitioning of large tables (ACDOCA, CDPOS, EDID4 etc).
- Technical Objects cleanup & Archiving recommendations.
- Quality environment SAP S/4 HANA System Refresh
- SAP TPO report implementation, SLT Performance Optimization.

### **North American Manufacturer of Specialty Chemicals**

- SAP Cloud Migration Lead – Google Cloud Platform
- Migration of SAP and Non-SAP workloads to Google Cloud Platform.
- Scope: OS migration, DB migration, Journey to cloud & SAP upgrades
- Primary Responsibility: Migration approach & strategy, Cloud Architecture, BoM, HADR Design & Setup, Performance & Optimization, UAT preparation and Cutover planning, Go-Live & Hypercare support.

### **Large North American Restaurant & Kitchen Supplies Distributor**

- SAP TechArch (Basis/Security/Integration) Offshore Delivery Lead.
- Full lifecycle implementation of SAP S/4 HANA 2020 & GTS application integrating with SAP CPI, SAC, DWC and other 3<sup>rd</sup> party tools.
- Hybrid Agile methodology with an overall project team size of 90.
- Deployment in a private cloud SAP HEC environment – RISE with SAP partnership.
- Support the TechArch team hands-on for on-time quality delivery.

### **SAP Cloud Architect**

- As-Is analysis of on-premises customer SAP landscape including 3<sup>rd</sup> party interface, middleware, integration points.
- Technical feasibility analysis for SAP Cloud Migration of on-premises applications.
- Prepare detailed bill of materials – VM instances, storage, backup etc.
- Design High Availability & Disaster Recovery Architecture in Cloud environment.
- External reviews with Cloud provider subject matter experts (Azure, AWS, GCP).
- Prepare end-to-end migration, solution, staffing and transition plans.
- SAP Cloud migration end-to-end deal shaping.

### **Largest North American Retail Corporation**

- SAP Basis Offshore Delivery Lead – 24/7 AMS SAP Production Support
- Azure Cloud Migration Wave - 0 Roll Out.
- Establish the Basis team in Chennai Delivery Center - 25 FTEs.
- Dual maintenance highly availability z/OS TSAMP cluster, SuSE Linux Pacemaker DB2 HADR
- Support the team hands-on for on-time delivery of deliverables.
- Rolling Kernel Upgrade, Local and Remote Client Copy, System Refresh, System Installations and Build, Enhancement Package upgrade, Language pack deployments, ITSM incident management, Support Package stack upgrade, Add-on deployments.
- Ensure good and consistent team performance on their on-time delivery without breach of SLAs.
- Mentor the Basis team on technical expertise as well as drive continuous improvement of the team by rotating the members to own and support different SAP systems.
- Grooming interns with Shadow support and subsequent FTE conversion.

### **North America based Mining & Manufacturing conglomerate**

- SAP Basis Offshore Delivery Lead.
- Establish the Basis team in Chennai Delivery Center -12 FTEs.
- Dual maintenance highly available landscape in Redhat Linux cluster and DB2 HADR
- Support the team hands-on for on-time delivery of deliverables.
- Rolling Kernel Upgrade, Local and Remote Client Copy, System Refresh, System Installations and Build, Enhancement Package upgrade, Language pack deployments, ITSM incident management, Support Package stack upgrade, Add-on deployments.
- Ensure good and consistent team performance on their on-time delivery without breach of SLAs.
- Mentor the Basis team on technical expertise as well as drive continuous improvement of the team by rotating the members to own and support different SAP systems.

### **US based Utilities Client**

- SAP Basis Offshore Lead – Implementation / 24x7 support
- Classic SAP Implementation and support tasks – build, post-processing, maintenance and housekeeping of all SAP systems
- Heterogeneous Distributed High Availability Production systems.*Fujitsu Network Communication*
- EHP upgrade of BW and Enterprise portal systems
- Solution manager 7.1 installation, initial setup and configuration, managed systems configuration
- EWA, RCA setup for managed systems
- Wily Introscope installation
- Backup automation through scripts
- BASIS administrative activities
- User and Role management

### **UK Postal Services – SAP HCM Implementation**

- SAP Basis Offshore Lead – Full Lifecycle Implementation and 24x7 AMS support
- Classic SAP Implementation and support tasks – build, post-processing, maintenance and housekeeping of all SAP systems
- SAP Technical support for SAP Identity Management user provisioning
- Heterogeneous Distributed High Availability (Veritas Cluster Control) Production systems.
- Complete technical ownership of all SAP systems in the landscape*DR site setup for Lodha developers*
- Install DR systems for ECC and enterprise portal systems.
- Configure DR system to be operational on new hardware with minimal effort and time in case of disaster

### **SAP Implementation for a Global Telecommunications major**

- BASIS GO-LIVE Manager & AMS TRANSITION LEAD – PROJECT TIGER
- SAP Basis Go-live support for Wave 0 - FinSCM, HR, SRM, and Portal(ESS/MSS/XSS) systems.
- Oracle 10g parameter recommendations.
- Troubleshooting technical issues.
- Perform the needed client copies in the project landscape.
- Analysis and fine-tuning SAP HR roles.
- User management in the project landscape.
- Transport management involving extended transport control features enabled.
- Handholding of the support team to ensure seamless support transition of productive systems post go-live.

### **SAP CRM Implementation for a global Glass & Abrasives Manufacturer**

- Primary responsibility is to provide technical solutioning to the implementation of SAP CRM 2007.
- System landscape architecture for SAP CRM 2007
- Sizing the CRM 2007 system.
- Installation of CRM 2007 Sandbox system.
- Housekeeping the SAP system – both the AS ABAP and AS Java stacks.
- Backup strategy design and execution.
- Configuration of CRM WebUI
- Configuration of Adobe Document Services for Adobe Interactive Forms.
- Configuration of Inbound and Outbound email processing in SAP CRM 2007.

### **SAP ERP Implementation for a Spices & Chemicals manufacturer – Kerala, India**

- Primary responsibility is the installation and configuration of mySAP ERP 2005 ECC 600 system in Windows/MS SQL Server 2005 in an MSCS Clustered environment for High Availability.
- Installation of BW Production system - SAP NW 2004s BI 700 (ABAP+JAVA)
- Add-in installation of AS Java engine for the existing R/3 Development, R/3 Quality and BW Development and Quality systems.
- Installation and configuration of SAPRouter for connectivity between Synthite SAP systems and SAP.
- Backup strategy guidelines of MS SQL Server 2005 for the SAP systems.

### **SAP SRM implementation for US based leading manufacturer of Fork Lifts & Trucks**

- Layout the framework for SAP Security authorizations in SAP SRM to be assigned to 350 plus users including NMHG's suppliers, bidders and other business partners.
- By understanding the organizational structure and the overall business process I was able to chalk out a comprehensive plan for assigning the required roles to these end users.
- Fitting the end users and business partners into the SRM organizational structure.
- Design, definition and execution of SAP roles and authorizations which are Sarbanes-Oxley compliant
- Involved in the segregation of duties in SRM implementation.
- Design, conception and definition of roles and authorizations for SAP BW and SAP XI systems.
- Building the SRM organizational model and defining the attributes in the production system.
- Installation and configuration of Adobe Document Services.

### **SAP implementation for Mumbai based Equipments manufacturer**

- Installation and configuration of a High Availability SAP Production system using MSCS
- Installation and configuration of the Operating system, Database, Cluster service and the SAP ECC system
- Testing the functioning of the High Availability system
- Licensing the installation, Kernel Upgrade, Setting up the SAP Transport Management System.
- Application of Support Packs and Add-ons, Client Administration
- Planning, scheduling and execution of backup for the database
- Design, conception, definition and execution of SAP roles and profiles for all the different class of end users.
- Scheduling and frequent reviewing of the SAP Earlywatch Alerts and taking corrective actions.
- Ensuring timely and smooth Go-live for the customer

### **SAP implementation for India based Industrial Belts & Rubber products**

- Plain Vanilla installation of SAP R/3 46C SR2 Installation for the QAS on the DEV box
- Installation of Oracle 9.2.0 RDBMS for QAS
- Application of Oracle 9.2.0.6 patch for the QAS Database.
- Scheduling and successful execution of backup in the SAP Production system.
- Restore the database backup from the PRD System onto the QAS system
- Timely delivery of the QAS system to the customer in a scheduled duration of 4 days.

## **SAP implementation for Kolkata based Cements manufacturer**

- Installations and configurations of a three system landscape - SAP Development, SAP QAS and SAP Production Instances
- Licensing all the three instances, Kernel Upgrade of all the instances.
- Setting up the SAP Transport Management System between the SAP Development, QAS and Production instances.
- Application of Support Packs and Add-ons on all the instances and maintaining consistency among them
- Client Administration – creation of Sandbox, Customization and Golden clients and respective client copies and configurations in the Development system, creation of testing client and corresponding client copy for it in the QAS system and creation of production and pre-production clients and their corresponding client copies in the SAP Production system.
- Planning, scheduling and execution of SAP backups across the landscape.
- Design, conception, definition and execution of SAP roles and profiles for all the different class of end users across the three system landscape.
- Scheduling and frequent reviewing of the SAP Earlywatch Alerts and taking corrective actions in the Production system.
- Installation and configuration of SAP Router for connectivity between the customer systems and SAP.
- Planning and Performing transports across the system landscape.
- Training of the customer system administrators on SAP administrative tasks.