## Rijoy Purayil

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**Professional Profile**

An accomplished Technical Lead and Oracle SOA Snr.Consultant/Engineer with diversified technical background in *analysis*, *designing* and *implementing* **E**nterprise **A**pplication **I**ntegration that provides agile and expandable business solutions. Proven ability to implement solution using best-of-breed SOA toolset offered by Oracle Fusion Middleware (**Oracle SOA Suite 12c / 11g**) for higher business agility and lower cost of ownership with increased performance. Integration of cloud platforms **Salesforce** / **Google Cloud** using **Python** forOp-Analytics & Data processing**.** A Techno-Func. API Consultant with 15 plus years of IT experience under development and support role on various business domains with excellent communication and leadership skills.  
Core Skills and Abilities

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| --- | --- |
| **SOA Skill sets** | * **Oracle SOA Suite 12c / 11g / 10g ( FMW Fusion Middleware),AIA-PIP Dev** * **Oracle Service Bus(OSB 12c/OSB 11g),DB,SOAP,MQ,File/FTP Adapter** * **Good Knowledge on Salesforce.com & Eloqua API Integration.** * **CRM integration - Siebel,SAP,Salesforce-API (Agile/Scrum).** * **Talend DI & Mulesoft – PoCs, Zoom/CxEngage -API Usage & Docs.** |
| **SOA Technologies** | * **Knowledge on BAM & cloud platforms Force.com, and JENKINS** * BPEL 1.1/2.0,ESB,Mediator,OSB 11g,ADF-BC,OSB 12c,XML,XSD, WSDL,SOAP,REST,XSLT,XQuery,WLST,Mulesoft ESB |
| **Testing Tools** | * SOAP-UI/LOAD-UI,POSTMAN,TCP-Mon, XING,Groovy based-Testing |
| **Google Cloud** | * **Google Cloud (Storage/BigQuery/DataFlow/Dataprep)** |
| **Ver Control /CI/CD**  **Design/UML Tools** | * Tortoise SVN / BitBucket (Pipelines)/ Jenkin * Microsoft VISIO 2007/ IBM Rational Rose / Lucidchart |
| **Java/J2EE Tech.** | * Core-Java,Java-Web services(JAX-WS) |
| **Development** | * **Oracle J-developer,Talend/Anypoint-Studio,Eclipse,VSCode** |
| **Scripting Tools** | * Unix Shell Scripting, Groovy Scripting,Python |
| **Other Skills** | * Python/Flask/Docker,Azure,SQL, PL/SQL, Java, C, XML, HTML |

**Experience in implementing and supporting large scale Middleware Integration Solutions**

* Oracle SOA impl. for $7 billion worth F&R Business division at Thomson Reuters.
* SAP IS-U/UIQ/Itron IEE(Meter Asset Mgmt.): $4Million worth Asset Maintainance for Citipower
* Myenergy Portal: Citipower&Powercor to Check usage & Save money.
* Extensive experience on integrating applications running on **Siebel**, **Salesforce.com**,**SAP**,**.Net** and **JAVA** with in the agile working model and scrum framework.

**Excellent Problem-Solving and Analytical skills**

* Good at requirement gathering, solution analysis and providing technical feasibility.
* Proven ability on methodical analysis and results-oriented approach for root cause analysis (RCA).
* Skilled in providing interim solution to mitigate risk, evaluate options and derive permanent solution.

**Excellent documentation and communication skills**

* Successfully documented processes, SOA best practices and research to the finest detail.
* Collaborative negotiation with both internal and external stakeholders at all levels.
* Exceptional communication and interpersonal skills with the ability to build rapport cross-functionally.
* **IELTS** **Overall Band Score 7.5** (2013).

## Certifications

* Google Cloud Platform *Business Professional Accreditation*
* Oracle SOA 11g certified (Oracle SOA Infrastructure Implementation. Cert. Expert). **IZ0 - 451**
* SOA 10g certified on Course completion.
* SCJP 1.4 - Sun Certified Java Professional.
* Certified Application Developer - [ASDA] (Accenture Solutions Delivery Academy (Co-Sponsored with MIT).

## Employment History

**Node-Red Integration, JS,AWS/Lambda, Boomi Integration May 2022 – Till Date Origin Energy Pvt Ltd Australia. Melbourne, AUS**

Currently working as an **Integration Engineer** with **Origin Energy**, focussing on various integration using a homegrown customised version of Node-red Integration running on AWS Containers. Facilitating integration requirements and delivering strategic platform integration between technologies like SAP ERP , SAP SuccessFactors , Salesforce using Node-Red and BOOMI integration Tools and Other AWS related technologies..

**Responsibilities:**

* Design, Develop and Deliver Strategic Platform integration for People & Culture (HR Department) using Node-Red Based costeffective integration Platform called O-FLOW.
* Integration Platform Maintenance, Data Clean up, Alerting, Monitoring Mechanism of O-FLOW Containers running on AWS.
* Undertake Bug Fixes, Enhancements and Migration of existing BOOMI Integration into O-FLOW based flows.
* Migrating AWS Lambda based integration into OFLOW Based Flow for Cost effective Integration Platform.
* Provisioning Services via AWS API Gateway to the vendors and consumers of the service.
* Explore options of using AWS technologies in conjunction with OFLOW Platform to leverage throughput and cost of integration solution.

**GCP,Salesforce, API Evaluation,Talend DI,Python Feb 2017 – May 2022 Integration/API Consultant, Pearson Australia. Melbourne, AUS**

As a perm **Integration Consultant** with **Pearson Australia** for 5 years I was looking into existing landscape of technologies and facilitating Pearson Developer Network APIs for a number of Strategic Programs for Pearson Higher-Ed(Digitization), University Partnership Program(DW Solution). Data Integration between **Salesforce** and **Google BigQuery** using **python libraries** ( pandas / simple\_salesforce / google.cloud client libraries).Developing an Interim Solution for Data Synchronization between Salesforce and MySQL,BigQuery using Talend DI.

**Responsibilities:**

* Data Integration between Salesforce and Google BigQuery using Python client libraries for Salesforce and Google Cloud REST APIs.Scheduling DataPrep jobs using Google DataPrep.
* Responsible for Developing & Maintaining the scheduled data jobs using CRON & Cloud DataPrep.
* Data job Monitoring and Visualization via Datadog/Slack APIs on Datadog Dashboard/Slack Channel
* Reverse ETL from Google BigQuery to Source Systems for Operational Analytics & Delta processing.
* Zoom API Analysis and Implementation for capturing Zoom Webinar Registrants as Lead in Salesforce. Acting as Techno-functional bridge between contacting firms and inhouse applications
* Pearson developer API Analysis (REST/JSON) as part of Strategic Programs and UX Improvements.
* ***PoCs*** : **Talend DI** between Salesforce and MySQL | Basic Integration capabilities using **Mulesoft**. | **Azure** Functions to ingest data from BLOB storage into DB.

**Project MAMS (Meter Asset Management Soln.) April 2016 – Nov 2016 Integration Consultant (Oracle SOA 12c FMW), PowerCor & CitiPower. Melbourne, AUS**

An Integrated solution using **Oracle Fusion Middleware 12c**, that enables the Metering Asset Management System build over SAP and Fiori App to communicate with enterprise application suites managing Utility Comms Devices and Meter Data.

The SAP Maintainance module tracking the APs, Relay and SSN devices, consumes the Fusion Middleware service to query and associate Utility Device to a Location.The FMW layer communicates with **UIQ (Utility IQ 4.x)** APIs to achieve this functionality.

Second piece of integration deals with Testing Meter Accuracy by comparing the raw meter reads with Actual reads from **IEE (Itron Enterprise Edition)** MDM Application.the FMW layer communicates with Itron Service to provide interval data for comparison.

**Responsibilities:**

* Follow the Agile methodology and derive the integration requirements from user stories.
* Collaborate with Functional Consultants and Solution Architects to deliver the Tech. Specs .
* Design/develop reusable infrastructural and business services leveraging Oracle SOA Suite 12c capabilities [OSB, services exposing SOAP services].
* Device unit testing and load testing using SOAP UI tool and Groovy Scripting
* Apply SOA concepts and integration best practices (Aggregation and Virtualization patterns).

**Achievements:**

* Ongoing project meets the inevitable need of having an integrated system that eases the current processes and delays incurred managing a communication asset base (valued at $458M) and the associated internal testing and maintenance work (over $4M per year).

**CAD (Customer Access to Data) October 2015 – April 2016 Integration Consultant(Oracle SOA 12c FMW), PowerCor & CitiPower. Melbourne, AUS**

An Integrated solution using **Oracle Fusion Middleware 12c**, which enables a Cloud based Customer Portal (<https://myenergy.powercor.com.au/>)for Power and Energy Customers to Register and Query both customer and power consumption usage details.

Strategic User/Customer platform built on Salesforce cloud where the customer gets the view of the power consumption and usage through middleware facilitated SOAP based services. Middleware internally aggregates multiple customer calls to provide a comprehensive customer details for a requested Customer ID. The Solution also provides Meter usage data both in interval and summarised format for generating graphs at front end Salesforce portal.

Middleware facilitates Services for *Query Customer Details using NMI*, *Retrieve Energy Consumption Data*, and *HAN Device Binding/Un-Binding* using the portal.

**Responsibilities:**

* Attend daily scrum to understand requirements, track and update on deliverables and user stories.
* Collaborate with Cross team applications/ Solution Architects to capture integration requirements.
* Provide Technical Specs, Integration component diagrams and sequence diagrams.
* Design/develop reusable infrastructural and business services leveraging Oracle SOA Suite 12c capabilities [OSB services exposing SOAP services].
* Provide Poxy services based on SOAP UI Mock ups in case of back end Service issues.
* Device unit testing and load testing using SOAP UI tool and Groovy Scripting
* Apply SOA concepts and integration best practices (Aggregation and Virtualization patterns).
* Liaise with QA team and Business Analyst to bridge the technical/connectivity knowledge gap for integration testing and conducting demos.

**Achievements:**

* CAD programme in its Beta stage is first of its kind to provide a Customer friendly portal for self servicing and monitoring the power consumption to be used by Customers and Customer-Representatives in South Australia.
* Unified development of SCA and OSB on J-dev 12c,Sub Process,Result Caching, Content Streaming.
* Received acclamations for near-zero issues and performance tuning in UAT phases, achieved through various level of functional testing and bug fixes.

**Service Cloud 2.1 March 2014 – October 2015 Technical Lead, Tata Consultancy Services. Bangalore, IND**

Post Service Cloud 1.0 implementation, where we have built a strategic platform on salesforce cloud where the enterprise gets the 360 degree view of the customer and their service requests. Multiple vendors wanted to have a channel from their in house tool to create a Customer Case in Salesforce CRM. Middleware implementation mainly involves facilitating REST based proxy services for existing legacy application to raise a request to create service ticket in Salesforce.com.

**Responsibilities:**

* Collaborate with Business Analysts / Solution Architects to capture integration requirements.
* Collaborate with Network teams to open connectivity to new applications in middleware landscape.
* Design/develop reusable infrastructural and business services leveraging Oracle SOA Suite 11g capabilities [OSB REST via GET and POST method].
* Apply SOA concepts and integration best practices (including common patterns and frameworks).
* Liaise with Test team to bridge the technical/connectivity knowledge gap for integration testing.
* Lead offshore team to assign/track development tasks and achieve cross team co-ordination.

In parallel, I work on Multiple **POCs** [*Proof of Concept]* as well.

1. Providing technical feasibility for OSB - Eloqua Bulk API connectivity to meet the existing Informatica Cloud Adapter limitations.
2. PoC to fetch information via IBM Unica REST API/Web Service to fetch the Campaign information to sync it up with Cloud based Sales and Marketing applications like Eloqua and Salesforce on a near real time basis.
3. Evaluating BAM against existing JSP Dashboard (for Monitoring interfaces) for Interface monitoring. PoC involved creating Dataobjects / Stacked barchart / Customized view of Transaction counts.

**POC Responsibilities:**

* Interact and collaborate with UNICA and Eloqua Team to understand their business applications.
* Understand the APIs, Message formats and their frequency in current business operations.
* Using various SOAP/REST based tools to invoke/consume the external services.
* Identifying the suitable middleware platform for integration to build the integration layer.
* **Sharing the information related to performance metrics for business acceptance.**

**Service Cloud November 2013 – December 2014 Technical Lead, Tata Consultancy Services. Bangalore, IND**  
Salesforce.com Service Cloud is a social customer service application, built on a SaaS model, which empowers enterprise to manage all customer information and service requests within one platform.

The Middleware integration aims at integrating Service Cloud with Service Manager (SM9).

In this bi-directional integration, incident data is exchanged, synchronized, and updated between the systems.

**Responsibilities:**

* Design/develop reusable infrastructural and business services leveraging Oracle SOA Suite 11g capabilities.
* Collaborate with Business Analysts/Solution Architects to capture integration requirements.
* Apply SOA concepts and integration best practices (including common patterns and frameworks).
* Lead offshore team to assign/track development tasks and achieve cross team co-ordination.
* Orchestrate services into business processes using Oracle`s BPEL, OSB and XSLT Transformations.
* Identify and quickly escalate potential issues with solution design, technical implementation or product limitation that impacts the ability to deliver according to expectations.
* Establish standard design using OSB and BPEL1.1/2.0 combination and XSLT transformation.
* Implementing OSB HTTP Messaging transport for SOAP to REST protocol transformation to utilise HTTP POST/PUT methods.
* Performing code reviews to ensure that standards are being followed.
* Produce and present architectural and development guidelines to ensure processes are followed.
* Troubleshooting problems found in User Acceptance Testing/Non-Functional and Production environments.

**Achievements:**

* Service Cloud programme was an enormous achievement with Phase 1 functionality rolled out to more than 4500 users globally. The integration solution played a vital role in delivering enhanced customer service experience for all of F&R’s customers..
* Received repeated acclamations for near-zero performance issues in Production, achieved through various level of load testing to finalize message throttling with precision and rapidity.

**Venus Integration with Salesforce (Alerts & Notifications) April 2013 – September 2013 Technical Lead, Thomson Reuters Pvt. Ltd. Bangalore, IND**

**Description:**

**Phase 1:** The initial phase of development was to decouple Venus (- dot net Alerting Client) from its consumer application Siebel CRM using OSB middleware layer for Service Ticket creation.

OSB Error handling was utilized to track transaction failures and their count to understand root cause. OSB reporting was leveraged for monitoring the inbound messages in orderly fashion to understand the trend and performance of incoming Customer alerts and their counts.

**Phase 2:** The subsequent development phase was intended to retire Siebel CRM and to leverage the OSB Middleware layer to seamlessly integrate Salesforce by invoking a REST enabled interface, which allowed the Alerts to flow from Venus to Salesforce Service Cloud ( the Strategic Service application) to create Cases and Hot Topics for Customer support.

Roles and Responsibilities:

* Key resource in providing end to end OSB middleware solution and design of the Integration piece.
* Exception driven Authentication - OSB based Caching and Reusing using Salesforce token.
* Evaluate the OSB Middleware and its integration capabilities for reporting monitoring and error handling.
* Finalize OSB XQuery based message transformation, and resolving OSB performance and Weblogic configurations and, testing connectivity across the applications.

**Eikon Self-Ordering April 2012 – March 2013 Technical Lead Engineer, Thomson Reuters Pvt. Ltd. Bangalore, IND**

Eikon self-ordering offers an API based solution for customers to manage their entitlements from Thomson Reuters Financial Product’s Customer portal by using REST API’s exposed by middleware. With this integration in place, customers could manage their user base and can modify their current entitlements. The project delivered an open API based platform leveraging Oracle fusion, Salesforce.com and Siebel.

**Responsibilities:**

* Design and standardize the canonical model, on agreed data definitions associated with integrating business systems.
* Establish integration through BPEL/OSB between on-premise and cloud based business systems.
* To be part of the daily SCRUM and evaluate the mapping requirements and middleware changes.
* Analysis of the integration requirements to choose amongst the service protocols (REST vs. SOAP).
* Understand the hourly load expected through BPEL to configure throttling and monitoring capabilities.
* Assist project management with project planning, scheduling, costing, and risk management.

**Achievements:**

* One of the first successful middleware approaches to expose a REST enabled APIs, readily consumed by customer facing portal.
* Exception driven Authentication - a middleware implementation for caching and reusing the Salesforce authentication token, which achieved huge performance improvements by significantly reducing SFDC Login invocations.
* Accomplished a customer centric objective to self-administer user provisioning, which enable the vendor to manage their user base through web based customer portal.

**Order Stabilization Program April 2010 – December 2012 Senior Software Engineer, Thomson Reuters Pvt. Ltd. London, UK / Bangalore, IND**

The Global MIS is responsible for executing strategic programs on order-to-cash, financial operations, sales management and global reporting for the $7 billion Financial and Risk (F&R) division at Thomson Reuters.

The MIS-EAI Middleware serves as the enterprise-wide SOA backbone to integrate both legacy and strategic business applications.

**Responsibilities:**

* To build a real time Service-Oriented Architecture (SOA) implementation that enables streamlined Order processing and Customer service automation across heterogeneous applications.
* Assisted in migrating and resolving key issues during SOA 11g migration.
* Worked extensively on JCA adapters like HTTP binding adapter, MQ, FTP, Database Polling Adapter.
* Mentored the development and support team and new joiners on areas of improvement.

**Achievements:**

* Received ABOVE AND BEYOND award for significant contribution during UAT phase that ensured on-time delivery and near zero issues in production.
* Recognized as key member of MIS R&R 2012 award winning team, for playing a crucial role in resolving major blockers issues faced during SOA 11g implementation.

**Renewal Fusion Redesign December 2009 – April 2010 Consultant ERP, Cognizant Technology Solutions. Bangalore, IND**

The project involves redesigning the A&E Broker application to oracle fusion (OFM) based implementation. It reads a delivery IDOC from SAP in event log table to create assets, entitlements, service agreements in Siebel, as indicated by the order type. Implementation follows an AIA based architecture where an Asynchronous Delayed Response pattern of message transaction is used.

**Responsibilities:**

* Implemented BPEL Flow-N based solution for Multiprocessing of Opportunity Records
* Incorporated Asynchronous Delayed Response design pattern for integration with BPEL correlation.
* Customized/Extended AIA Canonical Models e.g. SalesOpportunityEBO (Business Objects).
* Involved in acquiring system requirement and design, programming and user acceptance testing.
* Ran performance tests to ensure that queued broker records resulted in Siebel assets.

**Oracle AIA Implementations August 2008 – December 2009 Software Engineer, Accenture Services Pvt. Ltd. Bangalore, IND**

**Oracle Product Hub Retail PIP:**

Install, configure and leverage Oracle Retail PIP, to enable the integration solution between Oracle Product Information Management (Oracle PIM ) and Oracle Retail Merchandising System(ORMS) for Schuitema N.V.

**Smart Meter Accelerator PIP:**

Developed Smart Meter Accelerator PIP – An Oracle Process Integration Pack (involving [Oracle Customer Care and Billing](http://www.oracle.com/us/industries/utilities/046909.html) (CCB) and [Oracle Master Data Management](http://www.oracle.com/us/industries/utilities/046897.html) (MDM)) to enable Smart Grid deployment for residential Smart Meters., there by automating the manual process involved in activation and usage data collection.

**Responsibilities:**

* Oracle AIA Middleware developer responsible for leveraging the Oracle provided Product Hub PIP to create a PIM to RMS integration for Item Synchronization.
* PIP Installation with complex and vaguely documented establish the Connector services (ABCS) in Middleware layer to the inbound JMS topic based interface for RIB.
* Provided knowledge transition with detailed slide deck on the integration piece developed for Netherland based retail client and Oracle Centre of Excellence - Accenture.
* Design and implementation of a reusable custom PIP using Oracle SOA Suite with Pre-Installed AIA Foundation Pack on Web logic Server, using BPEL,ESB technologies.
* Customized the canonical model involved in integration( ItemEBO & BillofMaterialEBO ).
* Configured the Smart Meter Accelerator PIP to integrate Siebel CRM with Oracle MDMS and Oracle CCNB(Customer Care & Billing System).
* Devised the unit testing approach of individual components and integration testing.

**Achievements:**

* Successfully delivered multiple middleware integration PoCs that received client acceptance, which were later taken over as large revenue generating retail project. .
* Established self as a key resource, to could play of an SME for projects running under Oracle capability for retail domain.

**Otto NOA (Neues Order Abrechnungs) May 2006 – July 2008**

**Software Engineer, Accenture Services Pvt. Ltd. Bangalore, KA/Hamburg, GER**

This project is for a major European retail giant which aimed at migrating a legacy system based on Unisys IT platform to a J2EE implementation. The project re-used the existing data modelling but re-engineered to Java/J2EE based implementation using the JCA-Spring framework.

**Responsibilities:**

* Analyse the NOA Use Case. Preparing System Use Cases (Rational rose.)
* Generate Inbound Web Services from the java class using Apache Ant tool using the Axis Classes.
* Co-designed and implemented Web services to be used by NDE Client and other external services.
* Provided quick patches by extracting deployed war file.

## Education

**PG-Diploma in Embedded Systems & Design** Bangalore, IND

C-DAC, Bangalore  Completed: 2006

**Bachelor of Technology (Information Technology)** Kannur, IND

Kannur University Graduated: 2005

## Professional Affiliations and Industry Participation

**[Drawing (1)](http://www.soascribbles.wordpress.com/)**[http://www.soascribbles.wordpress.com](http://www.soascribbles.wordpress.com/) – Active SOA blog author since 2011

* Oracle Technology Network (OTN) – Active member since September 2008

## References

Available on request.