Pradipta Basu

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PROFESSIONAL SUMMARY

Versatile Software developer & **Technical Consultant/Specialist** with **8+ years of experience in Telecommunications** industry with **hand-on experience in Order Fulfillment, Middleware (Cloud & on premise) COTS** products, **Microservices (Node.js, Spring & Netflix OSS), DevOps.**

Certified Oracle AIA, Oracle SOA Suite & Oracle OSM Implementation Specialist with experience in Service Design, Order Fulfillment using automated decomposition, orchestration & milestone updates. Skilled in tracking meticulous details in challenging task despite demands of fast paced and deadline-driven global work environments. Have worked extensively in Transformation projects in development and upgrade roles, working closely with Client Business & IT SPOCs.

I have work authorization in Germany, currently holding EU Blue Card.

TECHNICAL EXPERIENCE

Middleware:	Oracle SOA Suite, Oracle AIA, Oracle Real Time Business Insight, Oracle Service Bus, WebLogic Server, WebLogic Integration, WSO2 ESB MuleSoft, Tibco EMS, Microservice, Event driven CQRS
Cloud Applications:	Oracle Integration Cloud Service, Oracle SOA Cloud Service, Oracle API Cloud Service, Oracle Order Management Cloud AWS Lambda, AWS Dynamo DB, AWS Beanstalk, AWS S3, AWS API Gateway, Azure Web App Service, Azure API Apps, Azure Storage, Azure Cosmos DB, Azure API Gateway OpenStack
COTS / Package Solution:	Oracle OSM, Oracle AIA Comms. O2C AABC PIP, Oracle Metasolv M6 6.2.1 Integration, Oracle INAM
Dev Ops & Provisioning:	Jenkins, Vagrant, Packer, Docker, Shell Scripting, SonarQube, Mochawesome, Istanbul, Grafana, Prometheus, AWS Build Pipeline
DBMS:	Oracle 11gR2, 12c
Operating System:	Windows7, Windows 2008 server, Oracle Solaris 10, HP-UX
Source Control:	Git, SVN, IBM Rational Clear Case, AWS CodeCommit
Voice Assistant:	Amazon Alexa, Google Home, Amazon Alexa Show
Programming Languages:	C/C++, Core Java, Web Services (SOAP & REST using Axis & Jersey), JMS, Node JS, Spring, Netflix OSS, XML/XSD/XSLT/XQUERY, JSON

ACHIEVEMENTS

- **Oracle Application Integration Architecture 11g Certified Implementation Specialist (Oracle Exam Number: 1Z0-543)**
- **Oracle Communications Order and Service Management Server 7 Certified Implementation Specialist (Oracle Exam Number: 1Z0-493)**
- **Oracle SOA Suite 11g Certified Implementation Specialist (Oracle Exam Number: 1Z0-478)**
- Oracle Rapid Offer Design and Order Delivery (RODOD) Sales Specialist
- Oracle Communications Order and Service Management Pre-Sales Specialist
- Awarded Special Recognition for Oracle OSM in Wipro.
- Awarded Shining Star Award in Wipro for Best Fresher Recruit.
- Received several appreciation mails from Management and seniors & Clients.

PROFESSIONAL EXPERIENCE

- Working as Project Lead with Mphasis, Bangalore from March 2017 to till date
- Worked as Senior Solutions Engineer with Oracle Limited, Bangalore from November 2015 to February 2017
- Worked as Senior Software Engineer with Wipro Technologies, Kolkata from September 2011 to October 2015

JOB RESPONSIBILITIES

- Diversified experience of serving 7 different telecom clients in 5 different countries with considerable expertise in Telco Transformations.
- Able to consistently deliver enhancements and solutions that drive customer satisfaction and organizational value addition.
- Proven mentor and trainer, leading cross-functional teams to develop & deliver a shared vision.
- Experienced in Analysis, Solution Design/Architecture, Code, Unit test in Telecom Order Management & B/OSS Integration aligned to SID, eTOM, TAM
- Expertise in Solution Design/Architecture in AWS & Azure Cloud services
- Hands on experience of working with Amazon Alexa & AWS Lambda functions for Voice Assistant for a major European Telecom operator
- Strong Implementation expertise in API Management, Integration Design Patterns, SOA, BPEL, REST Services & Microservices & DevOps adaption
- Experienced in end to end Solution Designing for several Telco Products such as Mobile, Fixed, Satellite/IPTV, IOT, Enterprise Business
- Designed, developed, and validated solution prototypes in a variety of lab environments as well as certified the accuracy and viability of designs and implementations.
- Worked as SPOC in multi-vendor environment, deadline-driven, global work environments, for multiple client projects.
- Works closely with product owners and business stake holders to understand program objective and business benefits to accomplish
- Supported projects across the enterprise to use integration infrastructure and implement integration interfaces on ESB.
- Expertise in setting up SOA Test Automation & Mock servers, DevOps delivery pipelines, Service health monitoring, automated environment provisioning.
- Service development using BPEL, Business Rules, Spring Component, Human Workflow and SOA Adapters – REST, SOAP, File, Database, JMS
- Strong technical and functional knowledge in Oracle Communications RODOD & RSDOD framework in Order Management & Integration space.
- Functional & Technical implementation expertise in Order Fulfillment implementation in Telecom Transformation projects using both COTS and Bespoke applications for automatic Decomposition and Orchestration across COM/SOM/TOM layers.
- North bound integration (OSM), south bound integration (MetaSolv M6) for PSR order creation in M6, location creation, fetching customer details & provisioning plan automation using Gateway events.
- Worked on performance and scalability optimization for Oracle OSM and MetaSolv M6.
- Developed and deployed stop-gap re-usable solutions for OSM Operations support during product upgrade to handle product defects.
- Installation/Configuration (with automated install) of SOA Suite 12.2.1, 12.1.3, 11.1.1.7, 11.1.1.5, AIA FP & PIP 11.1.1.5, AIA 11.1.1.7, O2C & AABC PIP 11.3, OSM 7.0.3, OSM 7.2, MetaSolv 6.2.1, WLI 10.3.1 for Windows and Solaris 10, HP-UX Itanium environment for both for production and non-production
- Planning and executing upgrades of Oracle SOA Suite, Oracle Service Bus, Oracle AIA from 11.1.1.5 to 12.1.3 with SOA Core Extensions for Production and below environments.
- Upgrading product and integration solution for WebLogic Integration from 8.1 to 10.3.1.
- Planning and executing product upgrades with-in the down-time in Production Environment for Oracle OSM (from 7.0.2 to 7.0.3 to 7.0.3.26) and MetaSolv M6 (from 6.0.16 to 6.2.1)

PROJECTS

Vodafone Germany – Digital Order:

Company: Mphasis Ltd.
Client: Vodafone Germany
Place: Dusseldorf, Germany & Bangalore, India
Duration: March 2018 – till date
Environment: NodeJS, MS SQL, Mocha, Chai, Istanbul, Q, Tedious, Memory-Cache, Git, Jenkins, SonarQube, ALM, JIRA, MS IIS, JMeter
Domain: Telecom
Team size: 8
Role: Lead Developer/Design & Solution Expert
Description: Vodafone uses Sigma Catalog Service (CS) as Product Master. All generic configurations of Products, both hardware and services, are configured in Sigma CS. But for enterprise services, customers are often provided customized packages in terms of price, services and plans. These customizations vary from customer to customer and hence product master is not able to hold these. Frame Contract Extension (FCE) module, written in NodeJS and MS SQL as backend, enables these customizations to be provided to customers by Vodafone. Oracle CPQ, which handles the lead and Quote processes, creates the Contract and customizations in FCE using the SOAP services exposed on both Oracle CPQ & FCE. Once the Frame Contract is available, the same is used by Enterprise Order Capture (EOC) and Enterprise Order Fulfillment (EOF) to provide the customized services and pricing model to customers. EOC & FCE communicates with each other over REST endpoints exposed by FCE. FCE uses Node Express middleware for REST HTTP routing, Promises and In-memory caching services for optimized services. Git is used as source control, Jenkins enables the automatic code build. Mocha & Mochawesome enables automated testing and human readable HTML test report. Node Istanbul enables code coverage checks and SonarQube enforces Code Quality Gateway checks. Oracle Pega acts as Order Capture systems

Responsibilities involved:
- Design of FCE REST services using Node Express and payload structure.
- Configuration of Memory Cache objects.
- Configuring Node Promises to enable sequential code execution in the inherent Async environment of NodeJS.
- Writing test cases using Mocha & Chai framework.
- Configure CD/CI pipeline using Jenkins, Git, SonarQube for Node.js Applications and Pega.
- Configure Test coverage checks using Istanbul.
- Support testing team on test steps and debug JIRA tickets
- Setup JMeter test frameworks for Regression Test & WireMock recordings to mock end systems.
- Setup JMeter + Grafana monitoring for remote monitoring & real-time analysis long running JMeter Test Suits.
- Setup & configuration of FCE (Node.js) performance monitoring using appmetrics-dash & appmetrics packages

Uniper DeepInsights MVP:

Company: Mphasis Ltd.
Client: Uniper
Place: Bangalore, India
January 2019 – April 2019
Environment: Azure Web Apps, Azure Cosmos DB, Azure BLOB storage, Azure Vision, Node.JS, Angular, Python
Domain: Energy Trading
Team size: 6
Role: Cloud Architect & Integration Lead
Description: Uniper is an energy trading firm who currently processes contract PDFs manually. Uniper is looking for an Azure based cloud-native Machine Learning solution to process and extract key information from contracts.

Developed jointly with Mphasis NEXTLabs, this solution uses Mphasis DeepInsights for Machine Learning. Rest of the components are Azure PaaS & SaaS services which provides a NoSQL Database, File Storage, Node.js based APIs and Angular GUI to operate the DeepInsights engine to upload PDFs and verify extracted data.

Responsibilities involved:

- Design and define the Cloud Architecture and identify & map respective Azure services.
- Design the system interactions & responsibilities of systems
- Design and Develop the Node.JS API layer to provide interaction layer on Azure Cosmos DB & Azure BLOB storage.
- Work with Cloud-CIO team for implementing the guidelines, WAF & security layers on Azure Web Apps.

Vodafone Germany – Voice Assistant Implementation:

Company: Mphasis Ltd.
Client: Vodafone Germany
Place: Dusseldorf, Germany & Bangalore, India
Duration: May 2017 – February 2018
Environment: Amazon Alexa, AWS Lambda, AWS Dynamo DB, NodeJS, Google Home, AWS API Gateway, AWS CodeCommit, AWS CodePipeline
Domain: Telecom
Team size: 6
Role: Project Lead
Description: Vodafone Voice Assistant implementation provides an automated self-service interface to Vodafone customer, similar to app, but using a voice interaction model. Voice interaction models gives a hands-free customer experience for Query as well as MACD scenarios. For video enabled devices, training videos can be pushed to enable customers to use any new feature & services. This also allows for scheduling callback from Vodafone Customer Relationship managers. This solution can be extended for getting new connection for existing customers and also customer campaigns. AWS Lambda is used to implement the backend for both Amazon Alexa & Google Home. Amazon Alexa & Google Home identifies the intents from the spoken utterances and calls the AWS Lambda with the identified intents. In case of Google Home, inbound call to AWS Lambda is routed via AWS API Gateway. AWS Lambda coded using NodeJS used Dynamo DB for data store.

Responsibilities involved:

- Configuration of Intents & Slots for Amazon Alexa.
- Configuration of responses & dialog model for Alexa use-cases.
- Development of the Vodafone Voice Assistant framework which enables the processing of intents from different voice assistant implementation using a unified backend. i.e. to enable Amazon Alexa & Google Home to utilize the same backend implementation to process the intents.
- Developing the AWS Lambda backend using NodeJS and integration to Billing, Provisioning & other systems via authenticated REST/JSON services.
- Writing test cases using Mocha & Chai framework.

Mphasis Telecom CoE Lab:

Company: Mphasis Ltd.
Client: Mphasis Telecom Vertical
Place: Bangalore, India
Duration: March 2017 – till date
Environment: Oracle SOA Suite, Oracle AIA (FP & Comms PIPs), Oracle Order & Service Management, Oracle BRM, Siebel CRM, Pega BPM, Oracle PH4C, Open vSwitch, Spring Cloud & Spring Boot.
Domain: Telecom
Team size: 10
Role: Project Lead

Description: CoE Lab is an end-to-end integrated platform build on Oracle OSS & BSS products with Oracle & Mphasis prebuilt modules showcasing a customer's journey for Concept to Cash business process. It will also showcase plug & play architecture for introducing non-Oracle products into Oracle RODOD and RSDOD stack. Oracle OSS & BSS OOTB solutions are extended to allow for NFV & SDN solutions. Lab also integrates a Microservice based fulfillment system.

Responsibilities involved:
- Planning & Execution of the Lab setup including breaking down into phases & identifying key goals & Milestones for each phase.
- Performing feasibility study around on premise vs AWS deployment and designing Deployment Architecture.
- Engaging with Telecom SMEs and identify and design solutions for extending the OOTB PIP solutions by introducing self-care modules and Open API frameworks around product master
- Development of NFV & SDN solutions for Bandwidth-on-demand, Custom firewall solutions.
- Development of an Event-driven CQRS based Microservice solution for Order Capture to Order fulfillment.

Modern Manufacturing & Digital Field Services:

Company : Oracle

Client : Oracle Industry Solutions Group and Oracle GSE

Place : Bangalore, India

Duration : July 2016 – November 2016

Environment : Oracle IoT CS, **Oracle SOA CS, Oracle ICS**, Oracle Database CS, Oracle Service Cloud, Mobile CS, Oracle Sales Cloud, Oracle CPQ Cloud, Oracle SCM (OM Cloud, Distributes Order Orchestration & Inventory)

Domain : Utilities

Team size : 10

Role : Senior Solution Engineer

Description: This solution receives orders for Wind Turbines and installs them at client location. It further monitors event, alerts and notifications from an IoT enabled device and takes action to create a Service Request/Incident against and event or alert to a Work Force Management system (Service Cloud in this case). SR or incident gets reviewed by a human operator who assigns some automated corrective measure against the event or assigns a human activity. In case of a human activity, work order is tracked till closure.

The scope of the project includes
- Implementation of Oracle Sales Cloud, Oracle CPQ & Oracle SCM to receive Wind Turbine orders from clients and fulfill the order using Oracle SCM OM Cloud.
- Implementation of Oracle IoT Cloud Service to receive data streams from registered devices (installed Wind Turbines) and deduce any error or warning event or alert.
- **Implementation of Oracle SOA CS to integrate IoT CS & Service Cloud, and other components and perform polling or monitoring jobs.**
- **Implementation of Oracle ICS to subscribe and update SCM Work Order events and query Item Inventory**
- **Extending Order Management Cloud using SOA Composites**
- Implementation of Oracle Service Cloud to handle the Workforce for SR or Incident assignments
- Implementation of Oracle Mobile Cloud for building the Mobile UI for the Service Cloud UI customizations.

Highlights :
- **Building SOA composites IoT CS as northbound and southbound system over REST adapter.**
- **Expose Database tables as REST services**
- **Building SOA composites for polling s SOAP service using wait activity.**
- Documenting the development in technical and configuration documents.
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Strategic Planning for Oil & Natural Gas :

Company : Oracle
Client : Oracle Industry Solutions Group and Oracle GSE
Place : Bangalore, India
Duration : March 2016 – May 2016
Environment: Oracle Primavera, Oracle Hyperion Strategic Finance, Oracle Planning and Budgeting CS, - Oracle Business Intelligence CS, **Oracle SOA CS, Oracle API Cloud Service, Java API & Web service**.
Domain : Utilities
Team size : 5
Role : Senior Solution Engineer
Description: Integrated solution linking strategy, capital projects & investment portfolio, corporate planning & budgeting and performance reporting for Oil Industry Clients. It allows users to Set strategic targets to maximize profitability and improve return on capital, gives End-to-end portfolio management with the ability to including/excluding and /or delaying projects and assessing the potential consequences. It also Optimize line of business investment and ensure tighter control through the alignment of top down strategic planning and bottom up budget requirements.

The scope of the project includes
- Implementation of Oracle HSF to set Long Term Strategic Plan & perform operation planning on a year-to-year basis.
- Implementation of Oracle Sales PBCS to breakdown OPEX data from Oracle HSF to a month-wise expenditure model.
- Implementation of Siebel Oracle Primavera to optimize the HSF planning data and map to organization portfolio.
- **Integration of Oracle HSF & Oracle Primavera over custom Java Web service and Oracle SOA suite.**
- **Integration of Oracle HSF & Oracle PBCS over custom Java Web service, File Adapter & REST Adapter using SOA suite.**
- **Implementation of Oracle HSF custom services for external systems as REST API for future extensions using mobile interfaces.**

Highlights :
- Developing Java Web services as wrapper over Java API interface exposed by Oracle HSF.
- Developing integration for HSF to PBCS using above custom java web service and REST Client written in Java using file attachment.
- Exposing Java API & custom Java Web services of HSF in REST using Oracle API Platform Cloud Service.

Corporate Sales Optimization :

Company : Oracle
Client : Oracle Industry Solutions Group and Oracle GSE
Place : Bangalore, India
Duration : November 2015 – February 2016
Environment : Oracle Sales Cloud, **Oracle CPQ Cloud**, Siebel CRM, **Oracle SOA Suite, Oracle AIA O2C PIP, Oracle Integration CS**, Oracle BRM, **Oracle OSM and O2C PIP**
Domain : Telecom
Team size : 10

Role : Senior Solution Engineer

Description: This solution was an extension to the existing Oracle Comms. Order2Cash flow. This introduces the Lead2Order business process as a pre-extension to the Order2Cash flow. This solution is targeted for the B2B customer and showcases the Lead-Opportunity-Quote-Order process including Sales force Automation, Customer Sales Management, Project Management, Ability to manage complex quote and adds the Cloud Hybrid Capability and Approach.

The scope of the project includes

- Implementation of Oracle Sales Cloud to handle Lead capture and generate Opportunity against the same in Oracle CPQ.
- Implementation of Oracle Sales Cloud and Oracle EBS for sales project management
- **Implementation of Siebel CRM to and Oracle CPQ for Customer creation, Order Creation against a Quote**
- **Implementation of Siebel CRM, Oracle AIA, Oracle OSM and Oracle BRM for Order2Cash.**
- **Order Milestone updates to Oracle CPQ and Oracle EBS.**
- Integration of all systems (wherever possible) using middleware

Highlights :

- Installation and administration of Oracle SOA & Oracle AIA, Oracle OSM and Oracle O2C PIP environments.
- Extending EBOs and creating custom EBOs for communication between Sales Cloud, CPQ and Siebel
- Building composites for service calls to and from Oracle CPQ cloud
- Using Quartz scheduler to schedule DB polling process.
- Documenting the development in technical and configuration documents.

Project Pillangó :

Company : Wipro Limited

Client : Magyar Telekom

Place : Budapest, Hungary

Duration : September 2014 – October 2015

Environment : Siebel CRM, **Oracle SOA Suite, Oracle AIA FP, Oracle OSB**, Amdocs Billing, **SOABP(built on Tibco by DT-IT, used as registry)**

Domain : Telecom

Team size : 10

Role : Senior Consultant

Description: Magyar Telekom is the leading telecommunications service provider in Hungary. Magyar Telekom Group covers four business areas: Fixed line and mobile communications for residential services, Corporate services provided to business customers, Alternative business areas including content, media and other non-access services, Wholesales services.

Current engagement is a CRM & Billing Strategic Consolidation Project. It's objectives are : Effective and efficient product development, Re-shape customer self-care comfort and capabilities to increase use by attracting the customers of the web-age generation, Standardized, harmonized and dramatically simplified business processes, Unified customer entity, segmentation and full 360° customer information, Improved and well differentiated customer experience, Effective customer retention and sales, Effective CRM & Billing system and change management on IT side, Significantly simplified IT architecture.

The scope of the project includes

- Implementation of Siebel CRM modules – Account Management, Order Management (Order Capture), Product Management.
- **Implementation of a custom Order Management system built on Oracle SOA Suite.**

- **Implementation and extension of AIA for all Siebel related communication and rest wherever possible to include a canonical data model.**
- **Integration of all systems (wherever possible) over Middleware.**

Highlights :

- **Installation and administration of Oracle SOA & Oracle AIA environments.**
- **Extending EBOs, Developing Tests & Simulations in CAVS**
- **Working with Deployment plans and Metadata update scripts.**
- **Analyzing the business requirement and identifying the touch points for major use-cases.**
- Documenting the development in LLD and updating the HLD.
- Designing the business flows for the major use cases.
- Provide client with an understanding of the implementation of the Custom Order management solution and it's portability in terms of swapping/co-existing it with some other OM module in the future.
- **Developing course grained API for Amdocs billing**
- Was part of the design & implementation team of the Custom Order execution engine
- Analyze the environment and deployed components for Application migration and come up with a plan for the same.
- Train new team members on the technology as well as business of the project.

Project Robi Axiata OSS Transformation:

Company : Wipro Limited
Client : Robi Axiata PLC
Place : Bangladesh
Duration : June 2014 - **August** 2014 (onsite)
Environment : Siebel CRM, **Oracle SOA Suite, Oracle AIA FP, Oracle AIA PIP (O2C & AABC)**, RBM, OCS, WebLogic Server, Comptel
Domain : Telecom
Team size : 5
Role : Senior Consultant
Description: Robi Axiata is Bangladesh's the most dynamic and fastest-growing telecommunications operator with a subscriber base of 20+ Million is planning to implement Siebel CRM System that covers Robi's service scope and transform their Order management system and standardize it to expand its business portfolio and launch new products in market in the shortest lead time.

Current engagement was a pre-sales engagement to do a high-level study of the Robi systems and major business cases to evaluate the two competing products for the middleware (Oracle SOA Suite vs. WSO2 Suite). Also the engagement included designing and presenting the client with a high-level view of the planned solution and coming up with the guidelines for the Product and Account Modeling.

The scope of the project includes :

- Transition for the existing implementation of Siebel CMU (Service Request) & Campaign Management modules. Validate the existing implementation and carry out the required changes. Provide Support for the same post Transition.
- Implementation of additional Siebel CRM modules – Account Management, Sales Force Automation, Order Management (Order Capture), Loyalty Management, Partner Relationship Management, Product Management.
- Implementation of a custom Order Management system built on Oracle SOA Suite to be plugged into the PIP deployment.
- Implementation of O2C and AABC PIP
- Integration of all systems (wherever possible) over middleware.

Highlights :

- Analyzing the business requirement and identifying the touch points for major use-cases.
- Designing the business flows for the major use cases.
- **Understanding the legacy systems that Robi has and the kind of services they provide to be exposed via middleware. And hence derive the tentative TPS for the middleware.**
- **Provide a comparative study to client on the Oracle SOA vs. WSO2 in context of their requirement.**
- Understanding the long-term plans of the client and provide them with the best possible product stack for Order management current implementation and roadmap,
- Understanding the existing the product and account structure of Robi and design a mapping to Siebel.
- **Provide client with an understanding of the implementation of the Custom Order management solution and it's portability in terms of swapping/co-existing it with some other OM module in the future.**
- Explaining how to OM module can be made independent from the data migration in case end systems are migrated.
- **Customization over-view of the O2C and AABC PIPs to work with custom OM and RBM & OCS as billing instead of the standard OSM & BRM.**

Project Optimus Dialog Axiata :

Company : Wipro Limited
Client : Dialog Axiata PLC
Place : Sri Lanka
Duration : November 2013– September 2014
Environment : Siebel CRM, Oracle OSM, WSO2, Oracle UIM, RBM Netcracker, OCS, WebLogic Server
Domain : Telecom
Team size : 5
Role : Lead Developer, Analyst
Description: DIALOG Axiata PLC is Sri Lanka's flagship telecommunications services provider with a subscriber base of 6.7+ Million is planning to implement Phase III of Siebel CRM System that covers DIALOG's service scope. In addition to the mobile telecommunication business, DIALOG has expanded in to a wider portfolio of business areas namely Fixed Telephony using CDMA technology, Digital Television Broadcasting using DVB-S and Broadband Services using WiMAX. The scope of the project includes

- Transition for the existing implementation of Siebel CMU (Service Request) & Campaign Management modules. Validate the existing implementation and carry out the required changes. Provide Support for the same post Transition.
- Implementation of additional Siebel CRM modules – Account Management, Sales Force Automation, Order Management (Order Capture), Loyalty Management, Partner Relationship Management, Product Management.
- Implementation of Oracle OSM (Order Orchestration and Workflow Management) & Oracle UIM
- Integration of Siebel CRM to Customer/Sales Self-Care channels such as USSD, Android and Web Portals.
- All integrations are via WSO2 ESB.

Highlights :

- Analyzing the business requirement and identifying the touch points for BRS use-cases.
- Writing Integration Context Document and Integration Specification document.
- Understanding and identifying APIs related for each use-case and exposing a single XML to upstream.
- Designing protocol transformation for asynchronous web service interface.
- JMS/XSLT based transformation for Siebel CRM-OSM request/response interface.
- Deigning the Order XML for Siebel CRM-OSM interface.
- Development & Production Environment setup for WSO2, Oracle OSM, Oracle UIM.

Vodafone System Integration and Managed Services

Company : Wipro Limited
Client : Vodafone India Limited (onsite & offshore)
Place : India
Duration : March 2013 – October 2013
Environment : WebLogic Integration, Oracle OSM, MetaSolv M6, Oracle INAM, Oracle ASAP, WebLogic Server
Domain : Telecom
Team size : 5
Role : Lead Developer, Analyst, System Admin
Description: Vodafone India (Vodafone Essar Limited), the telecom service provider in the India has taken the initiative to create a world class network for rolling out the fixed line services. VEL has taken the initiative of OSS-Service Fulfillment program to effectively address the key industry and business challenges. The Solution is designed by Wipro to address the requirements. In order to achieve SOF, the inventory of Vodafone is maintained through Metasolv M6 tool. The Metasolv M6 tool is integrated with various other applications like Order Service Management (OSM), Policy Services (Oracle INAM) and Feasibility Portal. IP address management is taken care by Oracle Communication Internet Name &Management (Policy Services). The provisioning part in handled by two Oracle COTS product i.e. ASAP and IPSA. All the IP services Internet, MPLS are provisioned through IPSA and all the transmission network provisioning is done through ASAP.

Highlights :
- Single point of contact to Oracle Support.
- Fixed several production issue /defects related to configuration and OSM component failure.
- **Preparing upgrade plans and successfully executing upgrade of MetaSolv M6 (from 6.0.16. to 6.2.1) and Oracle OSM (7.0.2 to 7.0.3) for production environments (HP-UX environments) inside the schedules downtime.**
- **Bug identification and fixes for JPD or WebLogic Integration from version 8.1 to 10.3.1.**
- **Developing JMS and web service based WebLogic Integration interface to call MetaSolv API which worked as the middleware between OSM-M6 and M6-INAM.**
- **Oracle OSM performance optimization** and configuration/code related bug-fix to lower cartridge deployment times and reduce JMS interface errors.
- Defining JMS based integration points between OSM/M6, OSM/ASAP and configuring the same in WebLogic using JMS bridges/SAF
- **Integrating OSM with external systems using built-in XSLT and XQuery automation and custom java automation plugins via JMS/web service calls (SOAP).**
- **WebLogic server optimization for OSM & M6 application servers to debug and correct JMS Bridge connectivity & message delivery related issues.**
- Providing support and fit gap solutions to Operations team in real-time for product/application errors.
- Have worked on Oracle Communications INAM for a brief period and have the basic know-how of the application.

Rapids 2.0 & 2.1:

Company: Wipro Limited
Client: Wipro Limited (Internal Showcase Platform)
Place: India
Duration: April 2012 – February 2013
Environment: Oracle AIA FP & Communications PIP (2.5 & 11.1), Oracle OSM, Oracle BRM.
Domain: Telecom

Team size: 10

Role: Developer

Description: Rapids is essentially to cater the Factory model of Business for Architectural solution of Business Integration through Service Oriented Architecture & RODOD. For this specific requirement the need was to deliver an OSS solution by integrating the legacy system seamlessly with the Oracle Edge components like CRM & OSM. In this architecture solution the legacy integration has completely leveraged SOA based solution build on top of AIA FP (11.1.1.5.0) and then streamlined the same with the OOTB AIA PIP (11.1) solution for CRM-COM-SOM.

Highlights :
- Use case analysis
- Environment build
- AIA FP(11g) & PIP (11.1) deployment
- SOA composite Build and testing
- Developed BPEL composites in SOA for breaking down Order-Line and manipulating the order line based on business logic
- Defining North Bound Integration points with JMS, Web Service & File Adapter and south bound integration with JMS, Web Service, Database & File & Integrating Human Task & Business Rules in a BPEL Composite & Custom Java code
- Defining Routing rules using ESB(SOA 10g) & Mediator (SOA 11g)
- Implemented OSM to OCSB (PCRF) and OSM to OCSG (SDP) communication.
- Developed an ESB service that integrates OSM-Central Order Management System and Oracle Communications Service Broker(PCRF) which consumes data sent by OSM-COM using the JMS Adapter Service and transforms the data to OCSB required format and further sends to OCSB using SOAP Adapter Service creating Subscriber Profile in OCSB-PCRF.
- Developed an ESB service that integrates OSM-Central Order Management System and Oracle Communications Service Gatekeeper(SDP) which consumes data sent by OSM-COM using the JMS Adapter Service and transforms the data to OSCG required format and further sends to OCSG using SOAP Adapter Service creating Subscriber Profile in OCSG-SDP.
- Customizations in AIA 2.5 & AIA 11g as per the requirements.

Grameenphone NERM:

Company : Wipro Infotech

Client : Grameenphone Ltd

Place: Bangladesh.

Duration : December 2011– April 2012 (offshore)

Environment : Core Java, MetaSolv M6

Domain : Telecom

Team size : 5

Role : Junior Developer

Description: Network Engineering Resource Management (NERM) is aimed to manage an inventory of both logical and physical for mobile network on multi-vendor multi-technology platforms. This is basically a OSS project which deals with transmission, radio, core, IP Network. Here we are using Oracle product stock which includes Metasolv M6, Oracle BPM 10gr3, ERP, Alfresco, NI/ND and BI Publisher.

Highlights :
- Was responsible for handling the parsing dump files from Network elements and converting the same to CSV as per provided referencing logic.
- The same CSV files were used for data load to M6.

Other Details

Name   : PRADIPTA BASU
Father's Name   : LATE PRAVASH CHANDRA BASU
Address   : S-232, Baishnabghata Patuli Township, Kolkata-700094
Marital Status : Married
Nationality   : Indian
Languages Known: English, Hindi, Bengali
Passport No   : J6113667, Data of Expiry -15/03/2021
Work Authorization: Holding EU Blue Card with work authorization in Germany
PAN No   : AOLPB5234L
ACADEMIC QUALIFICATION: B. TECH(CSE), W.B.U.T, Passed out on June 2011, CGPA: 8.39

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Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.
[**PRADIPTA BASU**]