**Rahul Poddar**

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***Experience Summary***

* More than 21 Years of experience in the IT industry with varied roles such as Senior Director (Product Dev), Product Architect and developer. Instrumental in digital transformation of the current product starting with redesigning the product using micro services based framework to offer on premises and cloud version of the product to the use of cloud services such a Twilio/DialogFlow for building chatbot/voicebot.
* Looking for leadership role/opportunity where I can leverage my knowledge of emerging technologies and manage end to end product / services development cycle.
* Excellent knowledge of cloud practices including hands on experience on AWS services. Have been part of digital transformation for the current product and journey to break the big monolithic application to micro service based application using the emerging technologies enabling digital transformation and micro services based frameworks.
* Experience on cloud practices including hands on experience on AWS services. Have deployed and engineered application on AWS services. Experience on AWS services such as IAM, Cognito, Lambda, SNS, Virtual Private Cloud(VPC), Elastic Beanstalk, Load balancer, Route 53 , CloudFront, API Gateway, RDS using MySQL.
* Engineered reference end to end application with Spring, Spring Boot MicroService, cloud deployment, NoSQL MongoDB, Hibernate 4.2. Expertize in bootstrap4, Angular 7 and JQuery framework for usage with HTML5.
* **Completed certification in** Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning.
* Maintain my own reference code repository at github. <https://github.com/rahulp4>
* Have successfully managed execution of product development from requirement phase till product release. Role involves interactions with multiple stakeholders and planning product development as per allotted budget. Handled multiple releases for product along with client implementations for the same product.
* Supporting pre-sales/sales team for RFI and RFP during new customer demo and sales pitch.
* Interaction with product management and strategy team for finalizing the products road map based on inputs from various channels.
* Supporting consulting organization for product implementation. Managing escalations from any customer.
* Actively involved in product architecture, designing and technical approach finalization for new requirement. Involved in technical framework creation for product around J2EE.
* Hands-on experience on Android OS. Have developed few apps on android OS. Also, have been writing blogs on android. <http://know-android-apps.blogspot.in>
* Passionate about technology and have own youtube channel covering some of the latest technologies. <https://youtube.com/channel/UCdeEmKsi1a8FoOoLd5eHAFA>
* Very well versed with server less architecture and have used services like Lambda from AWS, functions from PubNub and webhooks from Twilio.
* Created and explore dialogflow to create chatbot interfacing with Facebook/Twilio and with backend application on Spring boot.

***Key Achievements***

* Have been instrumental in transforming the monolithic application to microservices based application using Spring boot based framework and OJET (UI framework). The product deployed on multiple clouds such as Oracle cloud /AWS. Architected solution to offer provide WhatsApp and Facebook based channel to the end users with the use of DialogFlow service to create a chatbot.

* Self-initiative to explore AWS and create and robust end to end reference application on AWS.
* Successfully managed product development for one of the key Product under Oracle Banking Platform.
* Architected batch solution for procession more 100 Million billing transactions in an hour’s time for Oracle Revenue Management and Billing (ORMB). Have architected batch solution for this using ORMB framework.
* Successfully managed product development for Middleware product for Financial Messaging around ISO20022 and FIN message. The product is currently live in some of the tier one banks in Europe.
* Designed the light weight messaging framework for asynchronous messaging around the principals Staged Event Driven Architecture there by removing dependency on JMS TOPICS/QUEUE. The framework works very similar to JMS/MQ messaging. This also helped reducing overall infrastructure cost for banks and financial institutions.
* Implementation of Active-Active for middleware along with support for fault tolerant and high availability.
* Designing and architecting framework for product development using Oracle ADF.
* Hands on experience in designing enterprise applications using Spring boot microservice, Hibernate, MongoDB (NoSQL) , Hibernate 4.2 and Angular 7 with typescript.
* Hands on and very well versed with Amazon web services. Self done projects and experiments on AWS.

***IT Job Experience***

| ***Duration*** | ***Employer*** | ***Designation*** |
| --- | --- | --- |
| Jan 1999 Till April 2003 | L and T Infotech | Sr Software Engineer |
| May 2003 Till October 2003 | Wipro Technologies | Project Engineer |
| October 2003 Till Date | Oracle Financial Software Service | Director (Product Dev) |

***Onsite Assignments***

1. Jan 2008 Till Feb 2008: Coordination for FLEXCUBE Messaging Hub implementation at one of the largest banks in London. The assignment included further discussion on the customization needs and timelines for the same.

2. Aug 2004 To Aug 2004: Presentation to the Deutsche bank in london for the key service developed at i-flex. The presentation was scheduled at LONDON.

3. Feb 2002 To Nov 2002 : Assignment at Toronto / Canada as onsite coordinator for two J2EE based projects . Both projects went live in Nov 2002

4. Aug 2000 To Feb 2001 : Assignment for Mexico based client at Monterrey (Mexico)

***Technologies***

Technology : Miscroservice framework with Spring boot, Angular 7, Hibernate,

Spring Data, MonngoDB NoSQL, AWS Services – Coginoto, VPC/Subnet, Load balancer, Elastric Bean stalk, Elastic Search with QBOX,EJB2.0/3.0, Java-JSP-Servlet, WebServices on weblogic10.3, Struts2.1, XML XSL, JAXP, PKI , SSL ,HTTPS, Hibernate, Digital certificates implementation, PKI (Symmetric / Asymmetric keys algorithms such as RSA/DSA, DES/AES/TripleDES),SOAP, WSDL, UDDI, JMS, TopLink 3.5, Webspshere6.1 , IBM MQ 6.1, Oracle ADF/JSF, SWIFTAlliance GateWay and SWIFTAlliance Access(SWIFT Product).

Oracle ADF, Oracle SOA Fusion Stack. JMS, IBM MQ Series.,

Spring 4.xx,Hibernate, REST Service using Spring, websockets,

Angular7, MongoDB, Hibernate 4.2

Cloud Services : Oracle Cloud Service,Extensive hands on with AWS, Have

explored PuBNub, Twilio Services for communication channels ,DialogFlow for chatbot and interface with Facebook and other channels for communication.

Databases : Oracle 18, MySQL.

Server : Bea Weblogic12.2, Apache HTTP Server 1.3, Iplanet LDAP

directory sever 5.2. Kerberos Distribution Server.

Tools : Eclipse, Jdev11g , TopLink workbench for object relation

mapping, Apache ANT Build tool, Visual source Safe. SVN,

Maven , Gradle , NPM

Framework : Spring boot, angular 7, OJET from Oracle, Struts2.1, Oracle

ADF, JSF, Hibernate.

***Education***

Bachelor in Electronics Engineering From Nagpur University. Passed with 69%.

***Project Experience***

1. ***Dec 2011 Till Date***  ***At Oracle Financial Software Services***

***Product : Collections (Debt Management) and Oracle Revenue Management and Billing.***

As a part of Oracle Banking Platform, collection is one of the products which is being developed for tier-1 banks.

Have been engaged in transforming this product from monolithic application to micro services based application deployable on cloud. Have been instrumental in designing the service with spring boot based framework and OJET for MicroFront end. Application deployed on oracle cloud and other cloud services such as AWS. The product integrates with various platform such as WhatsApp /FB via DialogFlow to offer solution to the end users. Used AI/ML for predicting customer delinquency in advance using tensorflow.

***Product*** *:* ***Oracle FLEXCUBE Messaging Hub-Core***

***-- SEPA Credit Transfer—Business Module***

***-- SEPA Direct Debit —Business Module***

***-- SWIFTNet Funds***

Oracle FLEXCUBE Messaging Hub is a value added Financial Messaging Hub middleware solution, helps banks adopt multiple SWIFTNet/Market Infrastructure services providing single window access to multiple business applications. The scalable solution provides industry standard reusable framework for the banks to adopt newer messaging standards & solutions and reduce the implementation time, cost and infrastructure

1. ***October 2003 till Nov 2005 At Oracle Financial Software Services***

***System : KeyService for public , private and Symmetric keys.***

Key server has been developed on weblogic81 using java webservices deployed on weblogic81+sp2. It has capability to generate symmetric keys, public key and private key. The keys are provided to the end user depending on the user’s role. Symmetric keys along with private and public keys are provided to publisher and symmetric keys with only public keys are provided to subscriber. For key generation RSA JSAFE library is used. It also makes extensive use of weblogic’s security framework (SSPI). Custom security modules like authenticator, rolemapper, auditor has been developed for implementing security. The communication between client and webservices uses SOAP message which has XML Signature embedded in it. The keys stored in the database is also in encrypted form. The system has used JMS (pub/sub) for asynchronous replication.

**Technology**: Webservices on Weblogic8.1+sp2,SOAP, XML Security, RSA Jsafe ToolKit for generating Keys, iplanet LDAP server5.2. Weblogic8.1 security framework for development of custom security module like authenticator/rolemapper. SSL Implementation for iplanet directory server. Apache HTTP Server 1.3, Kerberose Distribution Center on window 2003 for authentication using KWSS. Shell scripts developed on Linux 9.

**Role**: Handled KeyServer project independently as a project lead (team of 6 ), coordination with client. Resolving issues with client, gathering new requirements. Allocating task to members. Involved in design core modules of project. Extensive work on weblogic8.1 security ,EJB and servlet, webservcices, SSL, Encryption/decryption using public /private key/symmetric key with AES/DES/TrippleDES.

1. ***May 2003 – Oct 2003 At WIPRO Technologies***

***System : Service Delivery 10 For an USA based client Alltel***

Multiple host applications of banks running on various platforms such as application on C++, Java and VB integrated with web interface for all these applications.

**Role :** Analysis of functional requirement. Resolving queries with onsite team. Coordinating with onsite team for query resolution. Design of an independent component Handling the component independently. Development, Testing

**Technology :** Struts 1.0, EJB , C++, java and VB, XML Oracle8i.

1. ***January 2002 – April 2003 At L and T Infotech Limited***

***System : 1. CANSYS Claims Management System For Marsh,Canada,***

***2. CANSYS Client Prospect System.***

CANSYS Claims Management System (CMS) is a complete J2EE web-application. CMS allows Marsh-users to report & update a claim for their clients. This system contains modules like Estimate, Third party details, Claimant details, Payment Details, Documentation and Printing etc. In some of the modules, we have implemented complex business rules at App-Tier level. We made use of State full Session beans to store the current user's session data. This system uses JSP’s with the struts framework for the UI and EJB at the backend. Toplink is used to access the database using the leading edge technology of Object-Relation mapping. The system also communicates with the other system under cansys project.

**Role :**

• Handling two projects from onsite in toronto. Handling team of 10 member.

• Coordinating between offshore team and client at onsite

• Analyzing new requirement for above two project

• Providing technical inputs as well as functional inputs to offshore team to

implement new features

• Resolving queries from offshore.

• Integrating the system which talks to Claims management system and client prospect system

• Resolving and fixing bugs in production environment. Immediate fixing of bugs found in production environment

• Resolving deployment problems at client site.

1. ***July 2000 to Jan 2001 at L and T Infotech Limited***

***System: HR Management System for a Mexico based client***

The portal was developed for HR division of a Mexico based client. The HR managers used the intranet site for keeping track of the HR related management activities. The system facilitates attendance tracking, Enrollment module and additional management information about actual production data at various plant location. The system was developed on web based java technology using jdk1.2, jsdk2.0 and SQL7.0 as the database.

**Technology :** Servlet, JDK1.2, SQL7.0, JSP, HTML, Java script, Servlet, Lotus Domino Server, Windows NT 4.0, IBM Webspehere

**Role** : Developer

Team Size: 8

• Developed system architecture and Identified reusable components.

• Developed Enrollment module using JSP, Java Classes

• Developing Component “Mail Utility”.

1. ***Feb 2000 to June 2000 at L and T Infotech Limited***

**System: Logistics & Analytical Processing System**

This project was done for a large Furniture Manufacturing company in Japan. The System involves handling of the Inventory information, distributed warehouse expenses data handling, and the past load information for the different warehouses and cost centers. It is a web-based System built around Model-View-Controller (MVC) Architecture. The System allows the employees to view this inventory data for the current month and the previous month, update the data and receive the indications from the System if the data is abnormal i.e., it does not lie in the permissible limits. The User Interface (View) comprises of HTML and mainly JSP. The Controller layer comprising mainly of Java Servlets interacts with the Oracle databases via data-access beans and acts as a mediator between View and Model. The Model layer is Java Bean, which has the Business Logic and data access logic. The parameter file for the entire system is stored in XML. Also special features have been provided in JSPs through which users can download the data in the CSV (Excel Download) format.

**Technology :** Microsoft Internet Information Server 4.0, IBM WebSphere Application Server 2.0, JSP, HTML, Java script , IBM Visual Age For Java 2.0, Oracle 7.3, Windows 95/98, Windows NT.

**Role :**

Module leader

Team Size: 10

• Requirement analysis, HLD and DLD of Handling Inventory, Distribution Expense modules.

• Developed Main Menu Controller Servlet for login session management and webflow.

• Development of nine Java Servlets for Handling Inventory, Distribution Expense modules.

1. ***Jan 2000 to Feb 2000 at L and T Infotech Limited***

**System: ICOM - Product Development**

This project was done for a large Tractor company in USA. The product is developed as multi - tier client /server architecture. It can be customized to serve any type of workflow and communication between service requestors and providers through web. Service is defined here more broadly- it may be a service call, may be a sales request or request for any type of information. Main services offered are authentication, Cataloging or browsing, Soc, Order, Supplier Management, Admin services etc. Prototype for a US based company was developed in which a series of screens related to catalogue viewing and buying and placing orders were made using JSP, DHTML/HTML, Java beans and Servlets. All interactions were through servlets, which acts as service request controller, setting notification parameters, saving frequently used information, and so on. Data extracting classes were written in Java, which provided database interaction with databases like Informix, Oracle, SAP etc.

**Technology:** Java Web Server 2.0, JDK 1.2, DHTML/HTML, JSP, Java script Oracle8i, Windows 95, WindowsNT 4.0, VSS6.0.

**Role :**

Developer

Team Size: 4

• Development of GUI screens in JSP related to service request, updation, product categories.

• Development of Java Bean components for querying database and returning results to JSP.

• Development of Java Servlets to control the user session and webflow.

1. ***Oct 1999 to Jan 2000 at L and T Infotech Limited***

**System: Attendance Management System**

This project was developed for a large Furniture Manufacturing company in Japan. The System implements the Attendance Application and Attendance Approval subsystem for the HR Division. The System allows the employee to view his Attendance data for the last 3 Months, allows updating the information for a particular week of a particular month, and receiving the notifications from the HR department. Also the Supervisors and the HR persons can approve or update the attendance information for a subordinate through the proxy options. The design follows the Model-View-Controller (MVC) model. The User-Interface (View) comprises of HTML and mainly Java Server Pages (JSP). The Controller layer comprising mainly of Java Servlets interacts with the OS/390 databases (DB2) via data-access beans and provides the framework in which View components can use the services provided by the Model components. The parameter file for the entire system is stored in XML.

**Technology :**Microsoft IIS 4.0, IBM WebSphere Application Server 2.0, JSP, HTML, IBM Visual Age For Java 2.0, IBM Universal DB2 5.2, Apache Web Server1.1.3, Windows 95/98, Windows-NT 4.0

**Role :**

Module leader

Team Size: 10

• Building of prototype and Designing GUI screens using JSP and HTML.

• Involved in designing and coding of JSP screens, Java Servlets and Java Bean Components.

• Conformance of code to Client/LTITL Java Coding Standards

1. ***March’ 1999 to Oct’ 1999***

***System: Sales Force Application System***

This system will implement the Sales Force Application system for well-known Japanese Company. The various modules covered in this system are Sales estimates, Sales forecast and Person visit schedules. The design follows the Model-View-Controller (MVC) model. It is very flexible design model comprising of three components. Model,View,Control. View components are the user interface components, Model components have the business and database access logic and the control components provide the framework in which View components can use the services provided by the Model components.

**Technology :**

Microsoft IIS 4.0, IBM WebSphere Application Server 2.0, JSP, HTML, Java script, IBM UDB2 5.2, Win-NT4.0

**Role :**

Team Member

Team Size: 9

• Building of prototype and designing JSP screens of various modules in the System.

• Preparation of DLD and Program Specifications of assigned modules.

• Design, Coding, Review & Testing of PVS module.

• Delivery of product under strict (ISO) quality controls and deadlines

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