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**Profile Summary:**

* 14 years6 monthsofexperience in the field of Software Development in **Big Data / Hadoop (Map Reduce, Spark, Kafka, Scala, Flume, Hive, HBase)**, **Java, J2EE, Amazon Web Services (AWS) Java SDK 1.9.13, Cloud Computing,Cloudera 5.8.3& 5.12.1.**
* Currently working for a banking customer using Spark Streaming, Java, Kafka, Flume, IBM MQ, HBASE, Cloudera 5.8.3/ 5.12.1 from Oct 2016.
* Involved in Performance Tuning of Spark Streaming Jobs.
* Worked on an ETL projectfor Pharma customer which is based on Data lakesusing**Amazon Web Services Java SDK 1.9.13 (EC2 with EBS, Simple Workflow (SWF), Elastic Map Reduce (EMR), S3, Simple Queue Service (SQS), Simple Email Service (SES), Simple Notification Service (SNS), RDS, Redshift), Hadoop / Big Data, Map Reduce including the Distributed Cache, Job Chaining / Job Parallelism using Job Control**.
* For a while playing the role of an Architect / Consultant as well as an Individual Contributor. And also mentoring / leading / helping the team members from Technical point of view.Involved in responding to RFP to one of the Oil & Gas European Customer.
* Worked on the Telecom domain i.e. in OSS,NMS, EMS, Performance Management (PM) Area.
* Experience on**RESTful**&**SOAP Webservices** including security aspects such as WSS4J, HTTPS, Symmetric/Asymmetric Algorithms.
* Experience on **IBM MQ, JBOSS, IBM Websphere Application Server, Tomcat 6**.
* Having worked on **Spring, Hibernate, Struts, Swings, WPS Portals, Struts Portlets**.
* Worked on Telecom, Banking, Healthcare, Insurance and Travel Domains.
* Having On-Site experience both as Onsite Co-Ordinator and Developer.Also deployment of the application into the production environment at client locations (United States, Switzerland).

**Professional Experience:**

* Presently working as **Principal Consultant** at **Wipro Technologies,**Bengaluru, since Feb 2013

* Worked as aSenior Technical Lead at **Huawei Technologies India Pvt. Ltd**., Bengaluru, fromMar 2010– Feb 2013
* Worked as Technology Specialist at **Cognizant Technology Solutions India Pvt**. Ltd, Bengaluru from April 2005 – March 2010
* Worked as Junior Java Developer at **ADDR Technologies Pvt. Ltd**, Bengaluru from April 2004 – March 2005
* Worked as Software Engineer at **Intelligent Software Solutions Pvt. Ltd,**Bengaluru from May 2003 – April 2004

**Educational Qualifications:**

1. **B.E.** (**Computer Science**) from Basaveshwara Engineering College, **Bagalkot**,Karnataka**,** affiliated to Visveswaraiah Technological University, **Belgaum,** Karnataka**,** in **July 2002** with an aggregate of **71.52**%.

2. **P.U.C**. / **XIIth**from A.M.E.'s PU College, **Raichur**, Karnataka, affiliated to Department of Pre-University Education, **Bengaluru,** Karnataka in the year 1998 with **74.83%** (PCM **83%), also**Karnataka Common Entrance Test Ranking in Engineering was **2800**)

3.**S.S.L.C**/ **Xth**from S.R.S. High School, **Raichur**, Karnataka, affiliated to Karnataka Secondary Education Examination Board, **Bengaluru,** Karnataka in the year 1996 with **76.96**% (excluding one subject score is**80.76**%)

**Technical Skills:**

|  |  |
| --- | --- |
| **Languages** | Java 1.4.2, Java 7, Java 8 |
| **Big Data / Hadoop** | Map Reduce, HDFS, Scala, Spark Streaming, Kafka, Cassandra, Flume, HBase, Apache Drill 1.1.0, Graphana, Hive |
| **Amazon Web Services** | Elastic Map Reduce (EMR), Simple Workflow (SWF), S3, Simple Queue Services (SQS), Simple Notification Service (SNS), EC2, RDS, Redshift, S3 Browser, Cloudberry |
| **Framework** | Struts, Springs, Hibernate 3.0, J2EE (JSP 2.0 and Servlets 2.3), Java Swings, FOP, ACEGI, JSTL 1.1, Javascript, JPOX JDO, Web Services, SOAP& RESTful Services, XML Beans, IBM Websphere MQ / JMS, Java Mail (SMTP) |
| **Application Servers** | JBOSS 3.4, IBM Websphere Application Server, BEA Weblogic Server, Tomcat |
| **Portal Technology** | BEA Aqualogic Portal, IBM Websphere Portal 6.1.13, Struts Portlets |
| **Database** | Oracle 9i & 11G (RAC), MySQL, PostgreSQL |
| **Development Tools / IDE** | Eclipse, Netbeans 4.1, WSAD 5.1, RAD 6.0 & 7.0, Middlegen, Elixir Reports, Microsoft Interdev, Autosys, SOAP UI, FindBugs, Emma, Simian, Source Monitor, PMD, Fisheye, KLOCWork, Checkstyle, Source Tree, Stash, Maven, MockIt, Junit 3.8.1, Maven 3.3.2. |
| **Performance Tools** | JProfiler 4.0, JMeter 2.2, TPTP, Rational Purifier |
| **Source Configuration Tools** | Visual Source Safe, CVS, SVN, Rational ClearCase |
| **Defect Tracking Tools** | QC, Bugzilla, Prolite, JIRA |
| **Software Concepts** | Design Patterns, OOAD |
| **Design Tools** | Rational Rose, MS-Visio, Argo UML, Object Aid |
| **Network Protocols** | SNMP V2 |

**Awards / Recognitions:**

* Won the “**Champion At Work**” Award at the Wipro for Credit Suisse Account in Feb – 2017
* Won the **“MOST VALUABLE PLAYER”** Award at the Wipro for Johnson and Johnson Account in Oct - 2015
* Won the **“Star Best Initiative”** Award at the Consumer DC A&S BL level in Huawei, in Sep-2012
* Won the “**Best Efficiency and Cost Optimization**” Award at the Consumer DC A&S BL level in Huawei, in Dec-2011
* Won the “**Best Individual Technical Contributor**” Award at the Consumer DC A&S BL level in Huawei, in Nov-2010
* Won the “**Best New Comer for Technical Contribution**” Award at the Consumer DC A&S BL level in Huawei, in Aug-2010

**Project Details:**

**1. Project Name: Business Transaction Store (BTS)**

**Client: Credit Suisse, Switzerland**

**Duration: Oct 2016 to till date including 3 months onsite at client location Zurich**

**Product Description:** Credit Suisse has the vision to create a Business Transaction Store (BTS) to address the below key objectives:

• Need to create a “One single view” of all business transactions within Credit Suisse SBIP which is currently distributed among heterogeneous IT systems

• Establish traceability between transaction context (reason) and transaction references (link between asset transfer and corresponding payments) which can be easily retrieved

• Act as the “single source” to serve client-relevant business transaction information for front office, client servicing and operational use such as reporting, which can be extended to other global regions as well

A new open source platform based on Cloudera Hadoop has been proposed and implemented.

**Roles & Responsibility:**

* Involved in the technical POC for the project initially using these technologies such as Cloudera 5.8.3 in AWS, Kafka, Spark Streaming with Java, Flume, IBM MQ, HBASE.
* Played the role of an architect in offshore as well as onsite (customer location)
* Involved in Design and Architecture such as Kappa (Single code, streaming) and Lambda(different code for streaming and batch)
* Involved in performance tuning of some of the Spark Streaming jobs
  1. Implemented Back Pressure
  2. Tuned the locality wait, pid min rate, maxrateperpartition, number of executors, cores, parallelism etc configuration.
  3. Implemented the singleton approach for Kafka Producer and HBASE Context in the pipeline
  4. Caching and unpersisting of the DStreams / RDD which are used more than once in the DAG within a job
  5. Use of inter job scheduler FAIR and FIFO
  6. Moving LR logic from FSP to LR
  7. Optimized Bulk Get HBase calls
* In Spark Streaming used APIs mapwithState and updatestatebyKey which were implemented for the Deduplication logic in the pipeline
* Use of Kryo Serializer
* Use of Avro format for the Data Model
* Developed or implemented the following Flume related tasks:
  1. Custom Deserializer – for handling the \n in the middle of the records
  2. Custom Converter type for JMS Source – for handling the JMS Message Id
  3. Raw Data Storage – Storing the data from Kafka Topic from Kafka cluster i.e. Edge node to HDFS Sink which is in Gateway Cluster i.e. Gateway node
  4. Use of Kafka Channel
  5. Custom Flume Interceptor before storing the reference data into the HBASE
  6. Custom Flume Interceptor to handle the JMS Message Id from header of MQ to Kafka Key (JMS as Source and Kafka Sink)
  7. Custom JMS Sink to send the data to IBM MQ from the Spark Streaming Pipeline job
* Implemented the Graceful shutdown and checkpointing of the metadata for all the spark streaming jobs in the pipeline i.e. implemented the processing of minimum once rule in the pipeline
* Used Broadcast in Spark Streaming job to populate HBASE table configurations
* Used Accumulators in Spark Streaming job initially for debugging
* Involved in POC for usage of Prometheus for message counts at each action or each step in the pipeline
* Was interacting with the platform team, Cloudera team, customer architects and business users
* Worked on the handling of record too large exception issue using max.request.size (in code) set to 10000000 i.e. 10 MB, message.max.bytes to 10000000 and replica.fetch.max.bytes to 10 MB in Cloudera Manager, max.partition.fetch.bytes to 10000000 in Spark Streaming application
* Involved in resolving the token expiry exception in production between Spark Job and HBASE in Kerborized environment
* Involved in deployment into the production for three releases
* Involved with the Cloudera team for resolving the platform related technical issues such as memory leak, Flume Issues, connectivity issues, HDFSSink, Apache Sentry Issues
* Involved in writing the Hive queries for the Recon scripts which will fetch data from the pipeline transaction HBASE tables
* **Had been to Customer Location, Switzerland for three months**
* Owning the Consumer Module, Performance Tuning activities of the entire pipeline.
* Got **Champion At Work**award at Credit Suisse, All Hands Meet, Bengaluru.
* Also played the role of individual contributor, doing the technical POC, technical lead, mentoring juniors and freshers.

**Technologies used:**

**Java 1.8, Spark 1.6.2 (Streaming), Kafka, Cloudera Manager 5.8.3 / 5.12.1, Flume 1.6.0, IBM Websphere MQ 8, HDFS, HBase, Hive.**

**2. Project Name:** Big Data Platform as a Service (BDPaaS)

**Client: HSBC, London, UK**

**Duration: Aug 2016 to Sep 2016 at London, UK**

**Product Description:**

Big Data Platform as A Service(BDPaaS) is part of a larger initiative under D&I called the Industrializing Big Data (IBD). The goal of the IBD initiative is to industrialize the Big Data solutions which HSBC had invested in to meet growing business demand and support various global business needs. Big Data Platform as a Service’s vision is “to build a Big Data platform and capability to provide production grade, fully supported and scalable Big Data services to HSBC users which enable them to manage their data, and obtain insights to drive their decision making activities”.

The objective of BDPaaS project is to:

* Build a platform which can scale at pace with demand for Big Data, whilst remaining cost effective
* Design multitenant platform so that each Business unit can get larger capacity on shared cluster improving utilization and reducing cost yet providing security, data isolation, workspace isolation and workload isolation
* Provide self-service capability for users to Provision or De-Provision Sandbox, Dev & Test environments on demand without IT intervention
* Enable DevOps capability through programmatic creation and deletion of infrastructure
* Provide visibility for utilization of the platform through tenant/user based metering and chargeback/show back
* Support resiliency with full disaster recovery so that business critical applications requiring Tier1 capability can be supported
* Provide seamless integration of approved tools into Big Data environment enabling users to provision tools in a self-service mode
* Reduce the cycle time for onboarding users providing them access to the data based on their entitlements

**Roles & Responsibility:**

* Played the role of an Architect at the customer location.
* Involved in the discovery phase of the project.
* Collected the information on the As-Is State of the current system / architecture.
* Involved in various meetings with customer for discovery of the requirement.
* Involved in preparation of Technical Requirement document
* Involved in preparation of Architecture and Design Document (ADD).
* Involved in proposing various options for some of the Key Design Decisions (KDD) such as:
  1. Moving the Hadoop cluster from existing physical to Virtual using VMware
  2. Usage of Object Data Store instead of HDFS
  3. Decouple Compute and Data

**Technologies Suggested:**

* Data Access: Atlas, Ranger, Centrify, Active Directory
* Performance Management: Pepperdata, Ambari
* Tools Management: Ansible
* Cluster Management: Ambari
* Storage: Object Store
* Infrastructure Provisioning: RHEL Satellite, VMware VCenter
* Physical Infrastructure: HP Apollo 4200, HP DL 360 / 380, HP Apollo 2000, VMware ESX
* HDP 2.4
* Self Service Portal using Tomcat, Angular JS, MySQL DB

**3. Project Name: Commercial Data Engine (CDE)**

**Client: Johnson & Johnson, US**

**Duration: Dec 2014 – Jan 2016 and April 2016 to July 2016**

**Product Description:** Commercial Data Engine (CDE) project, which is a multi-year initiative across the MD&D franchises, sponsored by Johnson & Johnson Health Care Systems and supported by IT Global Services. This project involves the development to facilitate the data loads of various subject areas in a determined tool to provide the facility of a consolidated contract and revenue lifecycle management system. It is an ETL project.

1. Data Analysis, Collection, Transformation, Loader, Extract Design

2. Data Collection

* + - For the different dataset / data sources, perform the data collection and store them into the Amazon Web Services S3 bucket location
    - Interact with business/SMEs to support Data Collection from difference datasets / data sources.
    - Understand the metadata required for the Data Collection
    - Involve in the design and development for the Data Collection using Amazon Web Services S3
    - There is submodule “Data Cleansing” using python which does the cleansing of the input data.

3. Data Transformation

* + - Design and build Map Reduce programs in Hadoop - Big data for transforming the collected data which is stored in Amazon S3 location.
    - Design and develop the Amazon Web Services Elastic Map Reduce Clusters to run the Hadoop Programs
    - Develop the rules for the different dataset / data sources required for the Transformation.

4. Data Loader

* + - From the transformed data, load them into the Amazon Redshift Database.
    - Design and develop the program for loading into the Amazon Redshift Database for different dataset / data sources.

5. Data Orchestration

* + - Build the pipeline for Collection, Transformation and Loader process.
    - Design using the Amazon Simple Workflow component for the Data Orchestration.
    - Even one can bypass any of the intermediate steps in the workflow / pipeline.

6. Data Extract

* + - Using the Redshift Unload command extract the data from Redshift DB to S3 using metadata driven.
    - Design and develop the program for unloading into the S3 from Redshift DB for different datasets.
    - Integrate this module with Workflow / Data pipeline / Orchestration module.

7. Data Frequency / Calendar

* + - This utility will send the email notification to data vendors to remind them to send the new data feed to our engine / platform.

8. Email Notification

* This feature was developed for the workflow module using the SMTP and using the metadata driven.
* This feature supports the retry mechanism
* This feature supports sending of the email with and without attachments.
* This was later reused across different modules.

9. Conversion Tool

* This utility is used to convert the Rest API XML output to Txt files using the XSLT. The XML output is one of the Data vendors / providers provide the data in this format by connecting to their Rest APIs.

**Roles & Responsibility:**

* Played the role of Individual Contributor. Did the hands on.
* Architect / Design, Developed and Owned Multiple Modules i.e. Workflow Module, Data Extract Module, Data Transformation EMR Driver Module, Loader Module.
* Architect / Design, Developed and owned Data Frequency / Calendar module.
* Worked on the Distributed Cache, Job Chaining / Job Parallelism using Job Control.
* Wrote Map Reduce Jobs. Resolved issues such as identifying the duplicate records based on case insensitive in the discovery data lake.
* Implemented the entire system i.e. all modules to run on horizontal scalability rather than vertical scalability.
* Implemented AWS Elastic Map Reduce (EMR) cluster using AWS SDK. This entire module owned by me.
* Design and Developed the Email Notification for different modules using the SMTP along with attachment. Even it supports the retry. It was first implemented for the workflow module and was implemented in a generic way so that it was reused in other modules such as Calendar Frequency, Data Archival / Polling, File Transfer, Extract Module.
* Architect / Design, Developed the Workflow / Data Pipeline / Orchestration module using AWS Simple Work Flow (SWF). This entire module is owned by me. This module has the flexibility to bypass any of the intermediate steps through metadata.
* Architect / Design, Developed the Loader Module. This module using the Redshift Copy options loads the data from the Discovery Data lake to Redhsift. Implemented in a metadata driven approach so that the copy options are configurable and changed anytime. So that the copy command can support the GZIP, Manifest options.
* Architect / Design, Developed the Data Extract Module. This module extracts the data from Redshift to S3 extract folder. This module uses the Redshift Unload Options. This was done through metadata so that one can add any number of extract commands at run time and also support email notification at each extract level to send emails to external vendors once extract is done successfully. This was integrated as part of the Workflow later.
* Design and Implemented to capture the Duplicate Records across datasets and store those duplicate records into the RDS DB.
* Worked on the CDE specific counters. Implemented the custom counters similar to Map Reduce built in counters.
* Worked on the Rest XML feed (one of the dataset / data vendors) to convert XML to TXT file using the XSLT.
* Worked on IAM Issues in EMR i.e. support of EC2\_SERVICE\_ROLE\_EMR\_ROLE\_NAME and EC2\_JOBFLOW\_ROLE\_INSTANCE\_PROFILE\_NAME
* Handled the special character processing in the source files using the iconv command in the cleansing module.
* Involved in the Phase 1, first two deployments in to the production and resolved issues.
* Worked on the AWS Simple Email Service POC.
* Worked on the POC of SNS and SQS integration.
* Worked on POC of S3 event notification at bucket level which can be used to send notification to SNS and then message to SQS.
* Worked on POC of Apache Drill and Tableau. Prepared the installation and configuration document for the same. Prepared the detailed Demo PPT and given demo to Customer.
* Developed small utility to identify the clusters which are in waiting state.
* Worked on WGET POC to get the data from Rest API.
* Did the POC to check the status of Rest API and if it is down then restart the tomcat.
* Using the Object Aid, created the class diagrams for various modules.
* Worked at client location, proposed some of the solutions for some of the features as mentioned above.

**Technologies used:**

**Java, J2EE, Aspect J, Amazon Web Services, Amazon Elastic Map Reduce, Amazon S3, Amazon EC2, Amazon EBS, Amazon Redshift, Amazon RDS, Amazon Simple Workflow, Amazon SQS, Amazon SNS, Apache Drill, Hadoop, Big Data, Maven, S3 Browser, Stash, Source Tree, Object Aid**, **Tomcat 6, Restful Services, Python, Java Mail (SMTP), Apache Drill 1.1.0.**

**4. Project Name: Next Generation – Network Management System (NG-NMS)**

**Client: Fujitsu, US**

**Duration: Feb 2016 – March 2016**

**Product Description:**This is also called as Data Platform Management (DPM). Basically this is into the OSS area. We get PM counters data and FM related Alarms and Events / TCA. These needs to be consumed and needs to be persisted. And later these needs to aggregate.

Currently PM Counters will be aggregated. We get the PM Counters data every 15 minutes which needs to be aggregated hourly, 8 hourly, daily and weekly.

The raw data is stored in HDFS along with the aggregated data. FM data is stored in the Cassandra DB.

Following are the important modules:

* Data Ingestion Module:
  + For PM Data:

This module will consume the PM data from the Kafka Messaging Service (the data will be pushed by NEs to Kafka), parse / convert the data from JSON to String format, validate the data and then send the data to Data Processing module for storing this Raw Data into the HDFS. The data will be consumed every 15 minutes. It is 2 node cluster environment which will receive 1TBof data for every 15 minutes from around 8,000 to 15,000 Network Elements (NEs).

* + For FM Data:

This module will consume the FM data from the Kafka Messaging Service (the data will be pushed by NEs to Kafka), parse / convert the data from JSON to String format, validate the data and then persist the data into the Cassandra (only the Alarm Data), and Events/TCA are pushed to HDFS from the Data Processing module.

There are basically two types of alarms, Create Alarm and Clear Alarm. For Create Alarm, data is inserted to Cassandra. For Clear Alarm, data is updated in the Cassandra.

To consume the data from Kafka, will be using Spark RDD’s using Scala Programming Language.

* Data Processing Module:
  + For PM Data:

The data is received / pushed from the Data Ingestion Module for every 15 minutes. This Raw Data is pushed to HDFS. And after storing into HDFS, this raw data is used for aggregation. The four 15 minutes interval raw data is aggregated as an hourly data and stored into the HDFS. This hourly data is aggregated for 8 hours and stored as 8 hourly data into the HDFS. This 8 hourly is data is aggregated for every 8 hours each three times a day and stored as daily aggregated data into the HDFS. Daily aggregated is used to aggregate 7 days and store it as weekly aggregated data into the HDFS.

* + For FM Data:

Events / TCA data received / pushed from the Data Ingestion Module for every minute are stored into the HDFS.

Will be receiving the data from Data Ingestion Module in the form of RDD for both FM and PM. The data is stored as Parquet file format in the HDFS. This Parquet file format data will be queried using the Spark SQL Data Frame API.

This module will be developed using the Spark RDD’s using Scala Programming Language.

* REST API / External Interface Module:

This module is used to query the PM / FM Data which are stored in the HDFS / Cassandra. It is used to query the Raw Data as well as Processed Data. This module provides the REST API which are developed using Apache CXF using Tomcat 7 server. The APIs receives the input request as JSON format and output response will be in JSON format. This module will invoke the Data Accessing layer to get the data from HDFS / Cassandra for PM / FM Data.

* Data Accessing Module:

This module is used to query the data from Cassandra / HDFS for the PM / FM Data. The data may be Raw Data or Processed Data.

This module uses Spark Job using Java Programming to query the data from HDFS.

This module uses Spark SQL using Java Programming to query the data from Cassandra.

This module uses Java to query the Metadata from Postgre SQL.

**Roles & Responsibility:**

* Played the role of Individual Contributor as well as an Architect / Lead Consultant. Did the hands on.
* Implemented the REST APIs initially during the POC stage using the Jersey framework.
* POC and implementation of REST APIs using the Apache CXF framework.
* Set up the Layered Architecture model for different modules.
* Did the POC for interaction between Java and Cassandra using Cassandra JDBC Datastax core JARs.
* Did the POC for calling the inter module as a dependency using pom.xml
* Did the POC for developing the parent POM.
* Did the setup for the Loggers for different modules.
* Did the POC to use the SOAP UI for testing the REST APIs.
* Did the POC to test the REST APIs using JMeter.

**Technologies used:**

**Java, J2EE, HDFS, Cassandra, Rest API, Tomcat, SOAP UI, Log4j, Scala, Kafka, Spark, Apache CXF, HDP, Maven, JMeter.**

**5. Project Name: ERIC-PM**

**Client: Ericsson**

**Duration: Feb 2013 – Dec 2014**

**Product Description:** Ericsson has a Network Management (NMS) product named as OSS RC which supports all Ericsson Network elements belonging to GSM network, Wideband Radio network and CORE network. OSS RC implements FCAPS. Performance Managementis part of OSS RC solution. There are various Design units with-in Ericsson and outside Ericsson (Vendors such as Wipro) who are responsible for Development and Maintenance of some of the components of OSS RC product.

**Responsibility:**

Core responsibility of an incumbent in Architect role is to design an architecture solution which meets the needs of the customer. At Architect - L1 prime responsibility is to implement architecture or design, implementing reuse / automations strategy and reviewing the design. The incumbent at this level contributes on solution definition, guiding designers, tech leads in the team. Architect is also responsible for interfacing with customer and delivery teams to resolve technical issues in the project(s) / account(s).

**6. Project Name: CRBT** (Caller Ring Back Tone) / USDP

**Client: 100+ Worldwide Leading Telecom Operators.**

**Duration: July 2011 – Jan 2013**

**Product Description:** CRBT mainly operates on a JAVA platform called USDP (Universal Service Development Platform). This product provides the RBT (Ring Back Tone) service to operators in over 100+countries. This product continuously interacts with oracle database server and also some telecom devices like charging systems (Alcatel) and OSS. This takes all the requests from different portal like IVR, WEB, USSD etc and respective APIs are invoked. When these APIs are invoked, they call particular JAVA files which in turn call the respective database function and all the related information is stored in respective tables.

Roles:

* Analysis, Development, Testing, Mentoring, Support to onsite.

**Technologies used:**

Java, J2EE, Spring, ISAP, Web services, XML Beans, SOAP UI, Oracle.

**7. Project Name: Mobile Data Service Platform (MDSP)**

**Client: Telefonica, Spain**

**Duration: Mar 2010 – Jun 2011**

**Product Description:** Mobile Data Service Platform (MDSP) provides a one-point solution for the Mobile Operators like Airtel, TATA, Vodafone, for upload and manage the Contents/Services and Authentication and billing of the products. There are 3 major Modules in the MDSP. They are

**MDMC:**

MobileDataManagementCenter also called as MDMC mainly responsible for Managing and uploading of the contents or services provided by the Content Provider and which the operator approves.

**MDCC:**

MobileDataControlCenter also called as MDCC, which handles the Main part of the MDSP, which is Authentication and billing. MDCC is responsible for billing of the Products published with respect to the Event based or Session based for the Prepaid and postpaid Users.

**CCEngine:**

CCEngine is nothing but Customer Care engine as the name itself tells it acts as the customer care engine for the Operators. It also provides “Portal One” as a web portal, which is used by the Operators or Content Providers and also End users to manage their content and to subscribe to them

Roles:

* Analysis, Development, Testing, Mentoring, Support to onsite.

**Technologies used:**

Java, J2EE, Spring, ISAP, Web services, XML Beans, SOAP UI, Oracle.

**8. Project Name: Global Banker (GB)**

**Client: ACI Worldwide, USA**

**Duration: Apr 2009 – Mar 2010**

**Product Description:** GB is the product offered by ACI under the wholesale banking product suite. It enables a bank's corporate customers to operate accounts and products and receive consolidated balance reporting information across all other bank branches, which may be spread across various geographic regions.

GB provides various flavors of banking instruments such as Bulk Payment, Cheques, Demand Drafts and Internationalization support for various regions of corporate customers. The corporate customer will be able to manage the financial portfolio and manage the cash flow. This helps corporate customers deliver results.

GB empowers a bank to allow its customers to initiate transactions over the Internet or Intranet. It later facilitates these transactions to the back-office systems in the bank for further processing. It also delivers any feedback on the status of such transactions as well as reporting information to the originators.

Roles:

* Analysis, Development, Testing.

**Technologies used:**

Java, J2EE, JavaScript, Elixir Report, Business Connector, MetaSystem, AspectJ, Oracle.

**9. Project Name: ACE Casualty UI Phase 1a**

**Client: ACE, UK**

**Duration: May 2008 – Dec 2008**

**Product Description:** Casualty Underwriting User Interface will streamline the underwriting process by integrating the major AOG applications and superceding bespoke spreadsheets. This solution will leverage WebSphere Portal Server technology to co-ordinate and co-present information from various systems and PEGA BPM technology to automate, track and manage defined business processes.

Roles:

* Involved in developing several POC
* Worked as Dev Team Lead and involved in resolving technical issues.

**Technologies used:**

Java, J2EE, Websphere Portal Server, PEGA, JSF, JSF Portlets

**10. Project Name: Card Issuance Platform**

**Client: United Healthcare, USA**

**Duration: Sept 2007 – Apr 2008**

**Product Description:** CIP (Card Issuance Platform) is a UHG initiative that aims at creating a single Integrated Card which serves both as a HSA Card (A Health Savings Account is a tax-advantaged medical savings account available to taxpayers in the United States who are enrolled in a High Deductible Health Plan (HDHP).) and HCAC (HealthCare Account Card for Medical eligibilities) swipe capabilities. Using this single Card, Customer can pay both for their qualified Medical expenses from their HSA and their Copay.

Roles:

* Was the onsite co-ordinator, coordinating the onsite and offshore team during Development life cycle of the project
* Involved in deployment of the application in the production environment.

**Technologies used:**

Java, J2EE, Unix shell script and IBM/Ascential Datastage TX

**11. Project Name: Online Enrollment & Online Presentment**

**Client: United Healthcare, USA**

**Duration:** Dec 2005 – Sep 2007

**Product Description:** Online Enrollment project is to provide the providers to enroll themselves to the Electronic Payments and Statements application. While enrolling themselves they will also be able to generate a PDF containing their enrollment details, which can be printed out for the further reference. The enrollment information is stored in the de-normalized table. At the end of the day the data from the de-normalized table is consolidated to an excel document and is mailed to the Customer Service Operations team. It also provides a GUI for CSR’s to enroll and maintain enrollment information on behalf of the providers. CSR will also be able to generate PDF’s containing provider’s enrollment details, which can be printed out for the further reference. CSR can also generate enrollment reports.

Online presentment project is to provide online viewing of consolidated 835, downloading 835, viewing payment and multiple search criteria. Other feature includes, download the generated ERA files, request for ERA for pass 30 day’s payment and Printing of different screens.

Input data for this online will be sent by an external system in SQL script and will be loaded using shell scripts. Loading data falls within the scope of this project.

Roles:

* Coordinating the onsite and offshore teams during Development life cycle of the project
* Developed Java, J2EE components using the core language functionality for the presentation/Business/Access Layers.
* Identifying the memory leaks in the application
* Involved in profiling and performance tuning of the application

**Technologies and Tools:**

Java, J2EE, XML, JavaMail, Struts 1.2, DB2 v8.2, WAS 5.1, RAD 6.0, Spring1.2, Hibernate 3.0, MiddleGen, fop, IBM ClearCase, iText, Plumtree Portal

**12. Project Name: OAG-TP**

**Client: OAG**

**Duration:** April 2005 – Dec 2005

**Product Description:** It is travel planner package in which user can build his own itinerary, can do different searches such as car, flight, hotel. User can add the appointments. Can also do search based on the profile

Roles:

Coding, Testing.

Identified the memory leak (Profiling).

Worked on Car, Destination, Profile modules.

Implemented Loggers

**Technologies and Tools:**

Java Swings, NetBeans, VSS, Prolite, PostGRE SQL, JProfiler 4

**13. Project Name: Control Panel Items**

**Client: ADDR.com Inc, USA**

**Duration:** April 2004 – Mar 2005

**Product Description**: Addr provides a wide range of utilities/tools to its customers on its site. One such service is the Control Panel Items.

**IP Banning** – This module is to ban a particular IP from accessing some site, services or folders.

**Link Spell Checker** - This module is used as a utility for checking of the broken link and misspell words in a particular website. User can select the folders and perform the test and they can fix online. They can even schedule the test to perform at a particular date and time.

**Website Migration** - This module is used as a utility for migrating a Source website to destination folder using HTTP transfer. User will just specify the Source URL, using this URL by recursively crawling individual page migrate to Destination folder.

**Image Optimization** - This module is used as a utility for optimizing the images. Converting the images from one format to another. The images can be from the users area, or from any url or from his local machine. User will be displayed with different formats and different quality of the optimized images and user can select whichever is better.

**Roles:** Involved in Design, Development, Testing and Documentation for the following modules - IP Banning, Link Spell Checker, Website Migration & Image Optimization and Bug Fixing.

**Technologies:** Java, JSP, Servlets, JDO, JSTL1.1, Tomcat 5.0, SVN, PostGRESQL, Tomcat.

**14. Project Name: CyberKoban2**

**Client: Cyber Solutions, Japan**

**Duration:** Sept 2003 – Jan 2004

**Project Description:** The project is used to detect the Unknown Terminals in the network. It is used to parse & analyze the SMTP, DHCP and ARP logs and generate TCHD (Terminal Connection History Data). MIM is generated from these logs (MIM – Mac Address IP Address Mapping). Depending on the TCHD Search Condition the Map is displayed for the specific time along with the Terminal, Network and user details.

**Role:** Development of the UI layer using Swings. Design, Coding, Unit/Integration Testing

**Technologies:** Java – Swings, CVS, MySQL, SNMP V2

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

**[VENKAT GURUKRISHNA]**