RAINMAKER
CONSULTING RESOURCES

RAMESH B **JANDHYALA**

Big Data Solution Architect

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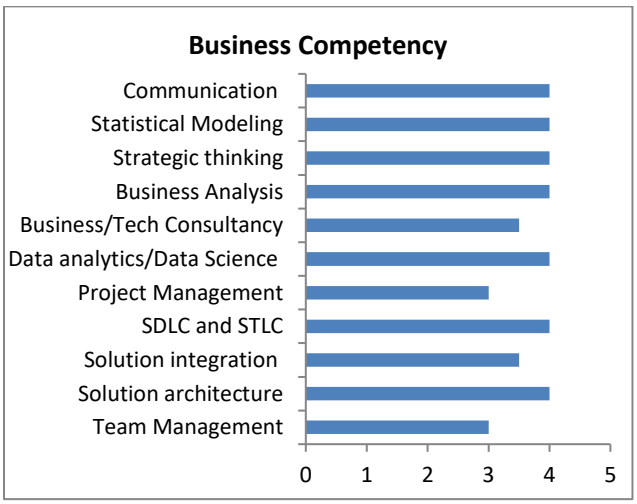
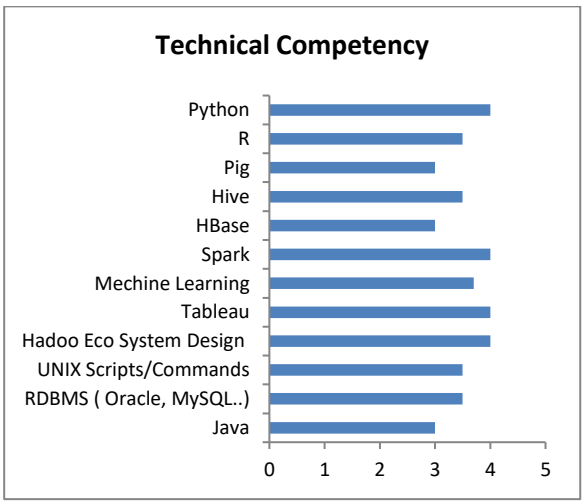
Professional Summary

- Dynamic professional having 14 years of IT experience with proficiency in various level of the IT industry. Proven skills at various roles and responsibilities.
- Elaborate experience and expertise across horizontals like **Telecom, Banking, Gaming, Retail, Engineering analytics, Aviation and Law enforcement.**
- **Solution Architect with over 8 Years of** mastership in Identifying **Use cases, Requirement**: Requirement capture, extracting, analyzing, managing requirements and requirement translation. Ownership in analyzing/deriving/ defining technical architectural solutions for large scale and complex projects.
- Experience in solution'ing highly scalable, distributed **Bigdata Architectures** using different open source and proprietary tools of **Hadoop Eco system** (**HDFS, Hive, Pig, Sqoop, Oozie, Flume, Spark, Zookeeper, Map-Reduce, Spark-SQL, Spark Streaming**)
- Data Architect Experience in designing, reviewing, implementing and optimizing data transformation process coming from a vast range of data sources, data discovery, ETL Design/Customizations, **Data modelling, Data Governance**, Data lake design/optimization, warehousing solutions.
- Implementation experience of Hadoop distributions such as **Apache Hadoop, Cloudera Hadoop Distribution CDH3, CDH4, CDH5 and Horton works Data Platform (HDP) on '**on-premises' and cloud-based platforms**.**
- **Data scientist** with excellent experience in Identifying, exploring data points and modelling supervised/unsupervised machine learning including: **Descriptive analytics, predictive analytics, prescriptive analytics, classification and profiling.**
- Proficient in Modelling languages such as **Python and R.**
- Proficient with Cloud Implementation using **AWS.**
- Certified TMFORUM **:ETOM Business development manager, AWS solution Architect.**
- Brief experience in solutioning and implementing full text search using **Elastic Search**.
- Possess strong communication, presentation, team building, time management, client orientation & problem-solving skills
- Good international exposure, worked in various geographies with different work cultures, diversified cultural ethics and languages.

Professional Competencies





Hadoop Eco Sytem Competencies

Hadoop Technologies and Distributions	**Apache Hadoop, Cloudera Hadoop Distribution CDH3, CDH4, CDH5 and Horton works Data Platform (HDP)**
Hadoop Ecosystem	**HDFS, Hive, Pig, Sqoop, Oozie, Flume, Spark, Zookeeper, Map-Reduce, Spark-SQL, Spark Streaming Spark Graphx and Spark MLib.**
NoSQL Databases	**HBase, Cassandra, Mongo DB**
Programming	**Python, Java, SCALA,R,PL/SQL**
RDBMS	**ORACLE, MySQL, SQL Server**
Web Development	**HTML, JSP, Servlets, JavaScript, CSS, XML**
IDE	**Eclipse4.x, NetBeans, Microsoft Visual Studio**
Operating Systems	**Linux (RedHat, CentOS), Windows XP/7/8 and Z/OS(Main Frames)**
Web Servers	**Apache Tomcat**
Cluster Management Tools	**Cloudera Manager, Horton Works Ambari and Hadoop Security Tools**

Academic Details

2004 Maters in Computer Application (MCA) from Loyola Academy PG College
2001 Bachelors in Computer Science from Osmania University

Work experience

Nov'17 – Present	**AnalyticsTactic**	**Head of Practice**
April'17 – Nov 17	**NetCracker Technologies**	**Solution Architect**
Nov'13 – March'17	**Huawei Technologies., Bangalore,**	**Solution Architect**
Jun' 10 – 31 Oct 13	**HCL Technologies Ltd., Noida, Canada and Chennai**	**Technical Lead**
Feb' 07 – May' 10	**Convergys IMG Pvt. Ltd., Hyderabad**	**Senior Analyst**
Dec' 04 – Oct'06	**Ivycomptech Pvt Ltd., Hyderabad**	**Senior Associate**

Professional Achievements:

Highlights at Huawei Technologies India Ltd.

- Awarded " Best technical Contributor- 2015" for solutions provided to Telefonica Mexico project.
- Received client appreciation for the role played at Telefonica Mexico project.

Highlights at HCL Technologies Ltd.

- Received Appreciation Picture Mail across HCL for successful implementation of Six Sigma Project for Mitel communications.
- Played a key role in recommending end to end outsourcing process for BMO- HCL collaboration from onsite.
- Recognized as "Live Wire" for managing Boeing Project.

Highlights at Convergys Information Management (I) Pvt. Ltd.

- Won yearly "SEE" Award twice for outstanding performance
- Won "Out Performer" Award for end to end handling of ACPD Project
- Instrumental in streamlining ACPD Project Workflow; recommended and implemented a new estimation Methodology.

Trainings /Other Courses / Certifications

- AWS – Certified Solution Architect – Associate
- TMForum – Business Development manager
- ITIL Certification
- Challenges of the 21st Century
- Six sigma Green Belt Trainings and Project Implementation.
- Dynamics of Leadership.
- Communication Skills of Leadership.
- FCPA Training (Foreign Corrupt Practices Act)
- Operating in Global Environment

Extramural Activities

- Played Badminton at University and at National level.
- Merit of representing University twice in All India Inter University badminton Championship.
- Won the following:
  - OU Inter College Championship (twice)

- Inter Squadron Aero-modeling Competition (twice)
- Gold medal in NCC NIC camp competition

- Functioned as the Sports Captain for MCA Department.
- Served as Team Selector for Badminton & Cricket.
- Part of National Cadet Corps (NCC) Senior Division In Air-wing.
- Delivered lectures, Charity etc. in an Orphanage associated with Convergys IMG.
- Participated in national and International Charity events such as 100 k cycling, Half marathon.

Personal Details

Passport#	N5986615
US Legal Status	H1B (Valid up to 31 Aug 2020)
Present Address	4347, Cheetah Trl, Frisco, Texas 75034

References

Will be provided upon request

ANNEXURE:

Projects handled in Wal-Mart Labs

Title **DC Data Centralization**
Client WalMart - Bentonville
Period Apr'18 Till Date
Role **Senior BigData Architect – DC Centralization and Data Governance**
Environment: Informix, Hadoop (Horton Works), Micro Services, Apache Active MQ, Data Lake, AROTA(Scoop), Hive, HBase, Spark, Scala, Private Cloud & Azure combination, Zookeeper, shell script, BI /Analytics.

Description Walmart has close to 380 Distribution centers across the world. Data Centralization project is an ambitious initiative to centralize all data into a new Data Lake on HDFS. The initiative Consists of Data Coming from Micro Services (NextGen apps) and Classic App (RDBMS), Project is broken down two step processes – Centralization data Store and Hadoop DataLake consolidation.

Responsibilities:

1) My primary reasonability is owning the solution design for Centralization and Consolidation.
2) Includes identifying the different data DB/Schemes coming from each DC (RDBMS on Informix DB and NoSQL data on MongodB).
3) Proposing the centralization strategies leveraging BareMetal, Private Cloud, Private cloud and Hybrid cloud.
4) Negotiate the approaches/ pros and cons of each approaches, single point of failure, apply a fail-fast method to eliminate the methods that has high risk.
5) Propose setting up on the centralized data store using replication mechanism (HDR cluster) from each DC to Home office (using Hybrid cloud)
6) Propose the data pipelines from centralized data to Hadoop data lake (CDC from RDBMS+ MQs from NoSQL).
7) Assist in capacity planning and bandwidth benchmarking for streaming. (Kafka, Spark Streaming, and Active MQ)
8) Drive the integration and act as a Liaison between various business units with in Walmart (Kafka managed services, Data Lake service, Hadoop manages services, Streaming, DC Business units, Technology and network) to agreements on the architecture and roles and responsibilities/ownership of submodules.
9) Agree on Entry and Exit criteria for each team, Acceptance criteria and agreements on Sigle point of failures.
10) Assist DB team in designing replication methodologies (Informix RSS based on DR cluster).
11) Propose the strategy to convert the historical schema to (Classic Data) to Streaming format using Kafka and Active MQ and Spark prepare Producer (vs) Topic (vs) Consumer mapping.
12) Propose strategy to stream new schema (NextGen- data) from Apache Active MQ to Streaming format (Spark).
13) Adapt new Data Pipeline to existing Streaming mechanism and formats.
14) Identify the CDC (Change Data Capture) triggers to generate messages /Streaming data from each DC across the world.

15) Design the Hadoop test bed which closely resembles the architecture of the production setup (30 node cluster) using Baremetal and cloud combination.
16) Propose Data governance policies for the various steps involved in the deployment of the solution.
17) Assist Hadoop team in sizing and projection on data occupancy.
18) Propose HIVE data models to assist Data science and Business Intelligence teams in designing reports and analytics models.
19) Draw a roadmap for the next 3 years on data transformation and usage.

Projects handled in AnalyticsTactic Technologies

Title **Crime Investigation Tool**
Client State Police Department (TSP- Intelligence Department)
Period Nov'17 Till Date
Role **Head of Practice – Big Data Greenfield Implementation**
Environment: Cloudera 5.13.0, Hue, Java, Hadoop, Elastic Search, Kibana,Data Lake, Storm, MapReduce, Scoop, Hive, HBase, Spark, Spark SQL, Scala, AWS (test platform), MongoDB, Zookeeper, Sqoop, Pig, shell script.
Description AnalyticsTactic is a startup company primarily focusing on Defense and Law enforcement engagements, TSP's long-term vision is to transform their current crime investigation tools currently on RDBMS is to Bigdata Platform to enhance their investigation techniques uses a wide array of data sources both structured and unstructured, some of the proposed techniques involved Elastic search, unstructured data analysis, Image, Audio, video recognition. Analytics techniques such as risk profiling, categorization, < Some classified scenarios>.

Responsibilities:

- E-2-E solution architecture ownership for the engagement Including assessment, data capacity planning, hardware recommendations, cluster topology, design, deliver.
- Designed Highly scalable (vertical and horizontally) architecture to accommodate current data volume of 120 TB and projected volume of 800 TB for the next 3.5 years including Structured, Semi structured Unstructured data.
- Responsible for analysis, design and configuring of Data Lake consisting of 72 data sources (batch files, near real time) amounting to a daily projected volume of 300 GB.
- Design and Solution of Hardware configurations and capacity planning. Used 36 node cluster, 1+1 Name Node with RAID topology on desks. Cluster size to grow at the rate of 12 node per year to reach 72 node in 3 years.
- Designed 18 node Full Text Search cluster with "Elastic search" and Kibana.
- Solution design of Cloudera based 5.x on Redhat 7.3, Hadoop application suite, blue print of integration layer, Data pipelines, External sources and System integration.
- Reasonable for Architecture and design of ETL Tool using Spark and Scala (converts 63 variants of data files coming on 9 Files type including structured, Semi structured and unstructured data) .
- Involved in design and development of Data governance strategies, Data channeling, implemented ETLT (Extract-Transform Load and Transform) topology to push into Data Lake and leverage MongoDB+ Cassendra and HIVE for various business needs.
- Data modelling using a combination of Cassandra and MongoDB to channelize different data set based on the analytics requirements. Design of Collections, pretentions Variations of data types and datamodels to support specific Analytics Requirements.
- Data migration strategy and development framework to migrate date from MSSQL2014 to HDFS
- Design staging/ testing nodes on AWS cloud (WC2 and S3 on Redhat7.4)
- Involved to move data to AWS S3 bucket
- Data model design on HIVE using logical petitioning of Data, Bucketing in internal partitions
- Involved in design and development spark with scala and spark-SQL
- Designed and development of Analytics model using Python (Jupyter) .
- Ownership of in technical design along with technical people and provide the guidelines on JAVA, HADOOP, Kafka, Spark, technology and on echo systems
- Managed customer expectations and in line with organization senior leadership
- Involved in various activities to focus on developing the capability on HADOOP and Storm technology and echo systems.

- Used NOSQL Tools such as Hbase, Cassandra.

RFP/Projects handled in Netcracker Technologies

Title **CUBE Architecture (Netcracker Bigdata Platform)**
Client R&D
Period Mar'17 Till Oct'17
Role **Senior Solution Architect – Cube platform and Data Governance**
Environment: Cube Hadoop Distribution, Java, Hadoop, Data Lake, MapReduce, Scoop, Hive, HBase, Spark, Spark SQL, Scala, Private Cloud & AWS combination, Cassendra, Zookeeper, Sqoop, Pig, shell script, BI /Analytics, MSSQL.

Description CUBE is the Bigdata Platform designed and developed by Netcracker technologies. The platform is an innovation which optimize the use of underlying bigdata technologies to transform the traditional BSS architecture. It leverages the use of Cassandra DB to replace traditional RDBMS while harnessing the advantages of including various data sources to enable predictive and perspective analytics.

Responsibilities:

My primary reasonability as a senior solution architect was to take the ownership of Data integration and aggregation of Data Lake and integration of data sources: this includes gather requirements, convert milestones to technical requirements, designing and refining the architecture, Translation of requirements/ use cases to design and Development team

- In line with my responsibilities, I developed Data Governance Solutions that enabled the business and technology teams to make data-driven decisions by leverage data coming from different business unit to form analytics mode and find business solutions.
- Involved in installing, configuring and managing Hadoop Ecosystem (Cube distribution) components like Spark, Hive, Pig, Sqoop, Kafka and Flume.
- Involved in installing Hadoop and Spark Cluster in Amazon Web Server (for evaluation purpose- in production used inhouse cloud solution).
- Migrated the existing data to Hadoop from RDBMS (SQL Server and Oracle) using Sqoop for processing the data. Migration included connectors from RDBMS to Cassandra thru HDFS.
- Integrating HDFS to Cassandra DB (this includes optimizing the data cleaning (ETL) at various data sources, Data ingestion to HDFS and channelizing the data over Cassandra.
- Responsible for Data Ingestion design using Flume and Kafka, ETL tools to collect data from various sources.
- Responsible for loading unstructured and semi-structured data into Hadoop cluster coming from different sources using Flume.
- Developed Spark Programs for batch and near real time processing.
- Used Hive data warehouse tool to analyze the data in HDFS and developed Hive queries.
- Created internal and external tables with properly defined static and dynamic partitions for efficiency
- Developed MapReduce programs to cleanse and parse data in HDFS obtained from various data sources and to perform joins on the Map side using distributed cache.
- Integration of Data lake with ERP (SAP Finance, SAP Logistics) using OSB middle layer.
- Data access point to ERP and BI Systems using MySQL as access layer.

RFP/Projects handled in Huawei Technologies

Title **Huawei BES**
Client Vodafone - Italy
Period Oct'16 Till Jan'17
Role **Solution Architect – EBU,Big Data, and Analytics support**
Environment: Universe Hadoop Distribution, Java, Hadoop, MapReduce, Scoop, Hive, HBase, Spark, Spark SQL, Scala, Teradata, Cassendra, Zookeeper, Sqoop, Pig, shell script, BI /Analytics, SAP Financials, SAP BI, SAP Logistics, Oracle DB.

Description Vodafone Italia plans to replace its existing BSS system to avoid redundant systems and processes which currently are provided by a web of complex systems provided by various vendors. VDI proposes to have

a single system that can perform all operations as supported today, additionally leverage the advantages of new platforms like Bigdata and Cloud based solutions.

Responsibilities:

In the role of senior solution architect and a member of Project Design office, Take the ownership of architectural design of Bigdata platform using Universe Hadoop distribution, Teradata, Integration of EBU platform data to Bigdata Platform. Gather, convert Business requirements, User stories from CRM (salesforce) team to technical requirements, understand dataflow, data conversion(cleaning) at various data sources, Data channeling etc. Assist in model preparations and presentation/story telling.

In line with my responsibilities, I lead a team of solution architects consisting of 8 member divided in 4 streams to gather requirements, analyze the use cases and design the data integration and governance strategy to integrate EBU, CRM (salesforce) to the Data Lake shared by Multiple BUs and enable data Analytic analytics by the Data science team.

- Involve in designing of Highly scalable Hadoop architecture. This involves creation of two Hadoop platforms
    1) Test platform consisting of 46 Nodes to handle up to ~730 TB with replication factor=3. With 736 X 2 Cores= 1472 with ~24 TB of RAM
    2) Creation of ~450 Node cluster (horizontally scalable) with an approximate capacity of volume of 2 PB with in annual increase of 37% which can handle data coming various data sources consisting of Structured, Semi structured Unstructured data.
    3) Design and configuring and managing Hadoop Ecosystem components like Smart miner, ISOP, Spark, Hive, Pig, Sqoop, Kafka and Flume.
- Responsible for analysis, solutioning and design of Data Lake consisting of more than 35 data sources coming from various BUs (EBU Sales, BSS, OSS, Marketing, campaign management, Loyalty mgmt., inventory, Finance, International settlement, manufacturers, warehouses, vendors, Point of dales, Shops etc).
- Involved in design and development of Data governance strategies, Data channeling, implemented ETL tools, Smart Miner, Data ingestion topology to push into Data Lake and leverage HIVE for various business needs.
- Design, assist in designing analytics Models. Based on the model, design the data required, the format and the volume, Transform and transport date from Data lake to Analytics Layer like HIVE, MangoDB, Oracle.
- Data modelling using a combination of Teradata, Cassandra, MongoDB and Oracle to channelize different data set based on the analytics requirements. Design of Collections, pretentions Variations of data types and data models to support specific Analytics Requirements.
- Integration of real time streaming data sources like Twitter, VDF portal, web crawling etc.
- Created Analytics model using Python (Jupyter noebook), R.

Title **Huawei BES**
Client Vodafone - Germany
Period Feb' 16 Till Sep'16
Role **Solution Architect – CRM, BigData (Analytics on campaign- Data Lake Design)**
Environment: Universe Hadoop Distribution, Horton works, Tableau, Hadoop, MapReduce, Scoop, Hive, HBase, Spark, Spark SQL, Scala, Zookeeper, Sqoop, Pig, shell script, BI /Analytics.

Description Vodafone Germany currently runs on Huawei CBS solution. This project is to extend the current capabilities by introducing Unified Contact Management platform (UCM) along with enhanced campaign system that leverages BigData Platform to enhance effective promotions.

Responsibilities:

My primary responsibility was to assist the design team in understanding user stories (usecases) of Campaigns, convert the usecases to technical requirements from Data gathering, ETL, Data pooling perspective, propose analytics models.

- Involve in designing of Highly scalable Hadoop architecture. This involves Multi Bigdata environment coexisting in parallel. A ~200 Bigdata Node cluster provided my external vendor consisting of BSS,OSS data. This environment consists of Data Lake of historical data of 5 years.
- Data sources include Batch File, Real time data from Apps, Webisite, behavioral data (event triggers), twitter, portal, browsing behaviors, response to campaigns, Push notifications, recharge events etc.
- Solutioning, designing and deployment of scalable Hadoop architecture using Universe platform.
- identification of reliable data points from each data source, converting/transforming the data and channelizing the data to data pools and back
- Identifying and creating Relations for analyzing and transforming the data.
- Involves in the injection process which uses Flume and Sqoop.
- Developed Spark jobs in Scala to perform aggregation on data in HBase tables.
- Performed a lot of preprocessing using SPARK, SPARK SQL and Spark Streaming.
- Performed exploratory analytics and Descriptive Statistics. This includes, setting the acceptance criteria for modelling the same, preparation of data sets. Training analytics models on predictability factors and testing the models with known and unknow data sets.
- Designing Schema and building HiveQL for storing Store Returns processed data in External Hive tables.
- Responsible for generating reports & Dashboards using Tableau.
- Involved in creating Hive tables, loading with data and writing hive queries which will run internally in map reduce way.
- End-to-end performance tuning of Hadoop clusters routines against very large data sets
- Coordinate Hadoop system implementation, system support and performance tuning
- Integration with systems such as SAP ERP, CRM, SMSC, Notification center to send alerts.
- Involved in loading data from LINUX file system to HDFS.

Title **Huawei BES**
Client ETECSA - Cuba
Period Oct' 15 – Nov'15**,** Apr'16- May'16
Role **Solution Architect – Chief Architect (E-2-E)**
Description ETECSA is the national carrier (and the only carrier) in Cuba, due to the embargo and sanctions imposed, ETECSA is stuck with outdated BSS and OSS, this project is to replace OSS and BSS stack to become a future ready telecom operator.

Title **Huawei Universe (BigData Platform)**
Client Saudi Telecom- POC
Period Jul'15 Till Sep' 15
Role **Solution Architect** – **Data Analytics**
Environment: Universe Bigdata distribution, Cloudeara, Teradata, Hadoop, MapReduce, PIG, Scoop, Hive, HBase, MongoDB.

Description Saudi Telecom offers a project on Big Data Platform, this POC is based on the providing solution for 8 Uses cases that are requested by STC. The Solution is based on the BSS data mining and analytical modeling.
Responsibilities:

This implementation was a dual Bigdata set up -one for Network data and other for the BSS data for capability demonstration. Huawei's Bigdata platform (Universe) was co-existent with existing bigdata set up. Use cases were proposed to use the common data pools (BSS data + Network data). Usecases were planning to assist campaign management and inventory predictions.

- Involve in designing of Highly scalable Hadoop architecture. This involves Multi Bigdata environment coexisting in parallel.
    1) Universe Bigdata Platform responsible for campaign management (ISOP and Smart Miner). Universe consisted of 25 node cluster with data pertaining to Campaign management and BSS data measuring about 150 TB of Data.
    2) A ~200 Node cluster provided my external vendor consisting of OSS data. This environment consists of Data Lake of historical data of 5 years.

- Solutioning, designing and deployment of scalable Hadoop architecture using Universe platform.

- Solutioning of 8 identified use cases, reasonability was to gather data and build models using R and Python
- My reasonability was to design a data model for Gender prediction: Women in Saudi Arabia do not enroll their actual names to subscribe for phone line but rather used their spouse name. The use cases design a predictive model that would predict the gender of actual user of the phone based on the billing data and network data.
- Involved in installing, configuring, and administrating Hadoop
- Importing and exporting data into HDFS and Hive using Sqoop
- Designed and developed a series of complex Business Intelligence solutions using Pentaho Report Designer
- Involved in technical design along with technical people and provide the guidelines on JAVA, HADOOP technology and on echo systems
- Load and transform large sets of structured, semi structured and unstructured data
- Responsible to manage data coming from different sources
- Coordinated with various people with the organization with multiple locations along with client team.
- Involved in solution architecting on HADOOP Solutions
- Managed customer expectations and in line with organization senior leadership
- Involved in various activities to focus on developing the capability on HADOOP technology and echo systems.

Title **Huawei BES**
Client Telenor- One ASIA (India, Pakistan, Myanmar, Bangladesh, Thailand, Malaysia)
Period Mar'15 Till July 15
Role **Solutions Architect – Pre Sales (Private and Shared cloud- Data centralization)**
Environment: Universe Bigdata distribution, AWS Redshift, Hadoop, MapReduce, PIG, Scoop, Hive, HBase, ISOP, Smart miner, Huawei Cloud, BES

Description One Asia project is an ambitious project collaborated between Huawei and Telenor group. This is a unique and ambitious implementation of Huawei Cloud based BSS platform (BES- Business Enabling Systems) catering telecom operations across 6 countries. It is based on Private cloud and Shared Cloud, this offers a single BSS deployment site (operations center) and distributed OSS.

Responsibilities:

My responsibility was to support the capability demonstration activity by proposing technical solution to have a centralized data center using Private and Public cloud capability of BES.

- Ownership of Data Governance and Bigdata Platform proposal
- This includes Multi tenanting, Data centralization, data pool creation, sharing of offerings amongst tenants, creation of centralized data pool to be used to data analytics using Universe (Huawei's Bigdata Platform) .
- Asset in development Blueprint for Bigdata Platform architecture, Identification of Component stack consisting of data coming from various geographies (India, Pakistan, Myanmar, Bangladesh, Thailand, Malaysia).
- Prepare a Bigdata Test Cluster environment consisting of 24 nodes (assuming 2 TB of data for each node). Configure the Hadoop stack such as MapReduce, PIG, Scoop, Hive, HBase, ISOP, Smart miner, Huawei Cloud. Integrate with Huawei BES
- ETL Process on Data sources to Data Lake
- Data Lake design, creation and draft Data Access policies
- Involved in various activities to focus on developing the capability on HADOOP technology and echo systems.
- Involved to move streaming data to AWS Redshift
- Involved to move streaming data to AWS S3 bucket
- Optimized the configuration of AWS Redshift clusters
- Involved in design and development spark with scala and spark-SQL

Title **Huawei Universe**
Client Huawei R&D

Period Feb' 14 Till Oct' 17
Role **Solution Architect – Universe Design**
Environment : Apache Hadoop 2, HDFS, MapReduce, Scoop, Hive, HBase, , Spark, Spark SQL, Scala, AWS, S3, Redshift, Zookeeper, Sqoop, Pig, ISOP, Smart Miner, SMSC, Notification center, Mobile platform

Description Huawei new product like BES is a next generation BSS platform that encompasses Bigdata Platform and Cloud completability along with unification of CRM,CBS and Analytics. Services are distributed into 4 branches 1) platform 2) Data governance 3) Integration and 4) Analytics

Responsibilities

- Pilot batch of 5 Solutions architects to form the Bigdata Solution Architect Team
- Took extensive training on Hadoop Platform and implementations Lab
- Involved in various design and development activities of Universe including ETL, SmartMiner, ISOP,Cloud technologies
- Invloved in the architectural task of configuring and customization of Hadoop open sources to form the universe platform including, HDFS, Security layer of Hadoop, Spark,OOZI, YARN,ZOOKEEPER,PIG etc to Huawei's Management console (ISOP)
- ETL Process on Data sources to Data Lake
- Involved in the design and development of data models using HIVE and MongoDB.
- Data Lake design, creation and draft Data Access policies
- Configuration of various components in the Universe echo system
- Involved to move streaming data to AWS S3 bucket
- Optimized the configuration of AWS Redshift clusters
- Created various permutations of Cluster configurations with a mi of on-premises and cloud combinations.
- Lead many opportunities and capability demonstrations activities across globe with various fortune 500 clients.
- Took the responsibility of Principle solution architect for European and Latin Geographies.
- Managed a team of solutions architects ranging from 3 to 12 SAs
- Mentored other solutions architects.

Title **Huawei CBS and COTS Integration**
Client KPN Netherlands
Period Oct' 14 Till Feb' 15
Role **Solution Architect – CBS- COTS integration**
Description Huawei proposes to implement its postpaid billing solution retaining few COTS and third party components which exist in the current Architecture of KPN Netherlands. The project required a detailed solution layout of interfaces between Huawei CBS and External parties.

Title **Huawei- NGBSS full stack Implementation**
Client Telefonica - Mexico (TeMM)
Period Feb' 14 Till Aug'14
Description Telefonica Mexico is the third largest telecom operator in Latin America catering a wide array of services to its customers. Backed by its strong network thru MVNO and MVNEs it has a huge customer base which is dynamically managed. The BSS solution used by TeMM has a mix of COTS products some of which are legacy and few outdated, the solution by itself is inflexible for incorporating certain enhancements of great business value. Huawei full stack was adopted to replace their current BSS. Huawei full stack included the rating system for the real-time charging (OCS) and its post paid billing (CBS) along with CRM.

General Responsibilities in Huawei:

- General Management tasks- such as Resource management, team management, Reporting, Assessment.
- On Individual role: Analysis and preparation of bid documents as part of RFP response.
- Preparation and presenting Technical proposal, defense presentations.
- Establishing project Delivery processes – like Setting the communication hierarchy, Design Office, Escalation Matrix, Template, Delivery time lines , Stream divisions, Resource assignation, SharePoint, Reporting etc.
- Conducting Problem statement analysis and breakdown to use cases.
- Usecase / system / Data source/process study for Analytics planning, scoping, estimation & tracking.
- Interacting with clients for requirement gathering, system study & analysis

- Mapping Business Requirements (As-Is & To-Be Analysis) and GAP Analysis, assessing need and preparing Data source/ Schema/storage analysis for the organization
- Gathering requirements from business users and transforming them into Usecases, functional requirements & features; preparing documentation (requirements specification document) to support the projects and creating analytics model for the Usecase(s) solution; verifying modeling results on the test data set/scenarios and executing Usecase.
- Assisting in functional testing of the new system, ensuring that it meets the users specifications
- Understanding business need and designing a road map for further development as well as extending post implementation support and providing training to end users
- Review and approval of Development tasks, Track the client training plans and coverage.
- Meeting with Software Developers for discussing issues related to functionality and for the suggestions/plans to improve the quality of the product
- Responsible for team mentoring, deployment, monitoring and development
- Documenting, tracking, and communicating bugs, enhancements, analysis and unresolved problems.

RFP/Projects handled in HCL Technologies

Title	**MiTEL Solution Engineering Team**
Client	Mitel Networks Corporation- Canada
Period	Jun' 10 - Apr' 13
Description	Typical solution engineering would consist of analyzing the requirements, collaborate via workshop with Mitel and Operates for the proposed solution, relaying the requirements to the Development team, collaborate with testing team to validate the requirements coverage in the test plan , over see the installation of the new software on the 4 types of 3300 ICPs, running automated Sanity tests using Rational Test tool, Manual test of the new functionality, interaction with other modules and solution implementation as close as possible to the client's environment.
Product	ICP 3300 Call Control, vMCD, MSL, MAS
Technology	IP, SIP, ISDN, QSIG, DPNSS

Responsibilities

- SPOC for DCRs from design office. E-2-E responsibility for Design Change Requests (DCRs) from Solution Engineering Team.
- Responsible for drafting solution proposal, Assist in High Level Design.
- Provide the Ballpark (T-Shirt Sizing) estimation for initial commercial proposal.
- Communicate and collate estimations from different teams (Development and Testing)
- Collaborate with sales team for DCR defense and to secure the opportunity.
- Responsible for tracking various enhancements coming from different releases and platforms.
- Conducted project scheduling and test execution.
- Managed resource scheduling and general management of the direct reporter.
- Handle reporting to MiTEL, external client and Internal Senior Management group
- Prepared reports pertaining to the Client Satisfaction Index (CSAT). Received 6.8 out of 7 for consecutive 2 years.
- Implemented Six Sigma Green Belt project and received Certification for one of the process.
- Prepared and presented project artifacts for TL9K audit.

Client	**Bank of Montreal (BMO)** - Canada
RFP	FileNet Migration
Description	BMO uses IBM's FileNet, Panagon Capture and Jukebox set up as content manager to store the digital copies of its bank transactions documents. The versions of the FileNet Image Service application and the supporting applications currently deployed at production were no longer supported by IBM as they were obsolete. The purpose of this initiative is to upgrade FileNet IS application, Panagon Capture application, IDM Desktop and Migrate the FileNet IS Database from Oracle 9i to MS SQL Server 2005 to ensure BMO has vendor support and for its long term strategy to move away from IBM's FileNet platform to Captiva. This initiative was crucial for the bank as nearly 14 TB of data stored in its storage media (Juke Box) need to be made available without any data loss and minimal business process changes.

Responsibilities:

- Provided support in Migration Strategy proposal
- Supported in preparation of the Technical Proposal and the Annexure for submission
- Had complete ownership of implementation and tested from the client location
- Interacted with the application SMEs to get the requirement

- Responsible for stitching the entire solution document with three Migration Approaches, Proper Assumptions, Limitations, In-Scope, Out of Scope and Solution Risks
- Reviewed the application components for the Content Management solution
- Involved in supporting the sales with various activities like query submission, proposal defense, due diligence, etc.
- Implemented migration and supported various post deployment activities

Title **Retails Investments System (RIS)** - Canada
Client Bank of Montreal (BMO)
Description Retail Investment Services (RIS) is the flagship product for the Information Technology wing of the Bank of Montreal. The application caters the Investment Agents to place Equity, Bond, Mutual Fund orders for its private banking customers. The application is also used to track the status of the orders, build the portfolio of the customers by maintaining the historical records of the investments, the areas of investments and track the net worth. The application is capable of communicating with the third party applications and the respective markets and Bookkeeping Agencies. BMO has awarded the contract of off shoring the System Development, Testing and Product support of the RIS system to HCL Technologies.

Responsibilities:
- As a technical consultant for HCL Oracle Fusion Practice, my responsibilities were to Analyzing the feasibility of the Technical/business requirement
- Preparing the RFP, POCs and Quality Process
- Involved in Due Diligence, Initiation, Absorption, Replication, Observation and Operation Phases of the engagement
- Understanding of the following:
  - Standard Operating System (SOPs) and work culture of the client
  - Expectation among various business units and teams of the client
  - Release cycles, constraints pertaining to the technology
  - Security standards, Security SOPs and aligning the off shore processes
  - Technical Architecture of the RIS application
  - Data models used by the application
  - functionality of the application, the business scenarios, interaction of RIS with Backend processes, existing QTP scripts and external applications
- Proposing various off shoring models, discussing and deliberating on the feasible model
- Identifying and discovering bridges between the processes followed by BMO and HCL
- Planning and implementing training both on technology and RIS functionality
- Acquiring sign off on the team readiness
- Accepting delivery tasks
- Ensuring quality of the deliverable by performing reviews
- Delivering the enhancements and providing post production support