

# RAM KISHOR TAK

## CAREER OBJECTIVE

To learn, grow, share knowledge and contribute to the growth of the organization that provides stimulating environment of advancement opportunity.

## WORK DETAILS

- **CELEBAL TECHNOLOGIES, JAIPUR, RAJASTHAN, INDIA**  
*Big Data Engineer*                      *May, 2016 - present*

## PROJECTS

- **Enterprise Data Warehousing for Railway Analytics.**
  - **OBJECTIVE:** Installing, Configuring, Monitoring **SAP Sybase IQ 16.0.**
  - **CLIENT:** Centre for Railway Information Systems (CRIS)
  - **DURATION:** 6th September, 2017 to 29th September 2017
  - **RESPONSIBILITY:** Individual.
  - **DETAILS:** Configured raw devices on rhel 7, Created and set up 2 node SAP Sybase IQ **Multiplex cluster** which can store more than **20 TBs** of data and support real time query operations. Built databases and monitoring performance of the databases, Configuring **Data Server Engines**, Tuning physical memory, Tuning Engine Utilization, **Backup/Restore** the Database/Transaction.
- **Enterprise Data Warehousing for Reporting Applications.**
  - **OBJECTIVE:** Installing, Configuring, Monitoring Sybase tools like **Sybase IQ 16.0, Sybase Replication server 15.7, Sybase Adaptive Server Enterprise 16.0, SAP Powerdesigner, SAP Data services tools.**
  - **CLIENT:** Department of Information and Technology, Rajasthan Government
  - **DURATION:** 6th July, 2017 to 4th September, 2017
  - **RESPONSIBILITY:** Development.
  - **DETAILS:** Generated SAP licenses and applied on the SAP products, Installed and configured SAP IQ 16.0 and SAP Replication Server, **Replicated data from oracle to SAP IQ in real time using RS**, Created **ETL Jobs** to clean oracle data and remove **data duplicity** from Oracle data and inserted it into to SAP IQ. Granted roles and permissions to Sybase IQ Server users. **Converted Database Schema** from Oracle to sybase IQ using SAP Powerdesigner. **Backed up and restored IQ databases/tables.** Managed and monitored the use of disk space, memory and connections, Diagnosed system problems. Upgraded **production servers**, and assisted team members with technical issues.
- **Master Data Management and Data Visualization for Clinical Trials**
  - **OBJECTIVE:** Work on Master Data Management, Data Visualization Tools like **Talend Data Fabric, Kibana, Microsoft PowerBI** and Search Engine **ElasticSearch.**
  - **CLIENT:** Bioclinica
  - **DURATION:** 16th June, 2016 to 1st April, 2017
  - **RESPONSIBILITY:** Development.
  - **DETAILS:** Implemented ETL Jobs using **Talend Data Fabric** and **Python scripts.** **Mastered** source data using **Talend MDM.** Monitored **performance** and advised any necessary infrastructure changes. **Data modeling, Data Cleaning, Data Profiling, Database Optimization**, understanding and implementation of schemas and the ability to interpret and write **complex SQL queries.** **Visualization** of corporate Data on **Microsoft Power BI** and **Kibana** and full text search on **Elasticsearch.**
- **Analyze Health Care data using Talend Jobs and Data Visualization on Microsoft Power BI**

- **OBJECTIVE:** Work on Master Data Management tool **Talend MDM** and Data Visualization Tool **Microsoft Power BI Cloud**.
- **DURATION:** 19th Feb, 2016 to 6th May, 2016
- **RESPONSIBILITY:** Development.
- **DETAILS:** Mastered source data and Developed **ETL Jobs** on Mastered data using **Talend MDM**, Installed and Setup **Microsoft Power BI** desktop and gateway, Created reports on Mastered data and published on Power BI cloud.
- **Analyze Large Dataset using Cloudera Distribution Hadoop, Apache Spark and Apache Zeppelin.**
  - **OBJECTIVE:** Install and set up Cloudera Hadoop V5, Install CDH components, Install and Configure Apache Zeppelin Notebook, Setup Spark Standalone Cluster.
  - **Internship From:** **The Principle Consulting, Texas, USA**
  - **DURATION:** 23rd July, 2015 to 18th Feb, 2016
  - **RESPONSIBILITY:** Administration.
  - **DETAILS:** Installed and configured Cloudera Distributed Hadoop(CDH 5). Created Namenode and Jobtracker for CDH, Installed components like Impala, Pig, Zookeeper, Spark, Hue, Hive, Hbase. Implemented Apache Spark Standalone Cluster on **Amazon Web Services EC2**, Monitor Processes and Logs in the system, run spark program on Amazon **Elastic Computing Cloud**. Installed and configured Apache Zeppelin notebook for data visualization.
- **Hadoop Automation Tool**
  - **OBJECTIVE:** High Performance Implements for BigData using **Hadoop Framework, Python Scripting** and running applications on large cluster.
  - **DURATION:** 23rd May, 2015 to 23rd July, 2015
  - **RESPONSIBILITY:** Individual
  - **PROJECT DETAILS:** This tool can be use by two types- **Custom and Typical**. In Custom one can make whole cluster according to themselves and in typical the tool will make whole **cluster automatically**. It provides the uses of frameworks like **PIG, HIVE, Sqoop**. It also provides the uses of schedulers like **FIFO, FAIR, OOOIE**.
  - **GITHUB LINK:** <https://github.com/ramkishortak/hadoop-automation-tool>

## TECHNICAL SKILLS

- **LANGUAGES:** PYTHON.
- **FRAMEWORKS:** SAP Sybase IQ, SAP Replication Server, SAP Adaptive Server Enterprise, Elastic-Search, Kibana, Microsoft Power BI, Talend Data Fabric, Talend MDM, Apache Hadoop V.1, V.2, Apache Spark, Apache Mesos, Hive, Pig, Oozie, Sqoop.
- **PLATFORMS:** Amazon Web Services (EC2, S3, VPC, CloudFront, IAM, EFS, SNS, SES), Cloudera (CDH V.5.X), Power BI Cloud, Google Cloud Platform, Microsoft Azure.
- **TOOLS:** Talend open studio, Microsoft PowerBI Desktop, Openstack (Havana), Maven, Putty, Tableau, SAP Power Designer, SAP BW, Microsoft SSMS, SVN tortoise.

## ACADEMIC DETAILS

- **SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, JAIPUR (RTU KOTA)**  
*B.Tech in Computer Science* *July, 2012 - May, 2016*
- **Hind Public Sr. Sec. School, Nagaur (RBSE)**  
*XII class* *2011*

## PERSONAL INFORMATION

Father's Name: Hari Shankar Tak  
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