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## Objective:

I am looking for a career not a job. I need an environment in which I could grow with my passion for Work, technology & transforming organization. I prefer an organization that dares to challenge even the best practices.

## Work Experience

- ❑ Total Experience – 7+ Yr.
- ❑ Mar2022- Till date Working as Sr. Data Engineer at Buzz clan Pvt ltd.
- ❑ June 2021- Feb 2022 Working as Sr. Data Engineer at YUM India Pvt ltd.
- ❑ Aug2020- June 2021 Working with Amantya Software as Sr. Data Engineer.
- ❑ Oct 2019- Apr 2020 working with Reliance Retail Jio As Dept. Manager.
- ❑ Sept 2015- FEB2019 Working with Reliance Jio As Ass. Manager.
- ❑ July 2013 – Jan 2014 Worked with Ericsson (Off roll) as Engineer.

## TECHNICAL SKILLS:

- ❑ Distributed File System\ Distributed Programming:
  Kafka/Streaming/Architecture/ Data Pipline /ADF / ETL/ HDFS
- ❑ Relational Databases: Distribution based on Hadoop MySQL 5.0, SQL Server\ Cloudera Distribution
- ❑ SQLOn: Hadoop\ Data Ingestion / ETL tools: Hive ,Flume, Sqoop, Kafka, Apache Pulsar, Airflow, S3 file system,AWS
- ❑ Monitoring & visualization tool: - Grafana, Kibana, Prometheus, Elastic Search,

## Professional Summary:

### Amantya Technologies

### Sr. Data Engineer: -

**Leading a team of 15 members created data pipeline by analysing four Wheeler( Car i.e Audi, MG hector) sensor data from the scratch. I have build complete User interface, Machine learning models on top of sensor data. Like track driver location on UI, if any hard turn is coming notify driver or clint before that, etc.**

This is Live streaming project where we are capturing data from Customer rest api approx. 1000 messages/sec so my responsibility was to create Architecture where we can firstly capture this data without any data loss and after that use them for ETL and after that render them to Dedicated UI where customer can see live Analysis or data and take decision top of that once this done after that Upload data to dedicated Collection in Mongo DB. This completed Architecture I have completed in Given time and delivered to Clint ever after 7-8 months they have increase 1000m/s to 2000m/s this Architecture is running successfully. Moreover, I build this design with minimums configurations of Hardware.

- ❑ Successfully created Kafka- Cluster ecosystem with 3 node and 5 nodes with 3 and 5 zookeepers with integration of S3 bucker and Mongo dB and cold storage connection. (that was project Demand if higher is required can build that)
- ❑ Created a ecosystem which fault tolerance, no data loss system, if for some reason one node is down and secondary node will be leader and system will keep running
- ❑ For fault tolerance store All messengers in Kafka log instead of using Temp folder using dedicated storage for storing all messages with proper offset.
- ❑ Kafka has offset system if we want to read data form specific time we can do it with defining the offset value and start reading that(build that Successfully)

- ❑ As per project created a Kafka cluster where we are store data or logs into 3 Nodes for no loss of data system
- ❑ Developing project-based on live Streaming Architecture ❑ Successfully Created Kafka-Spark-Cassandra Pipeline.
- ❑ Hands on Experience on Serverless architecture, already created Serverless architecture for Rest APIs.
- ❑ Created Completed backend for ADLP Project.
- ❑ Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
- ❑ Have knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
- ❑ Worked on Big Data Integration &Analytics based on Hadoop, SOLR, Spark, Kafka, Storm and web Methods.

### YUM India Pvt ltd. (Sr. Data Engineer): -

### Automation Pipeline: -

- ❑ Building from Scratch Data injection pipeline for food industry project.
- ❑ Working with Apache Airflow creating DAG and working a fully automated pipeline.
- ❑ Successfully created Architecture where data is uploaded into S3 bucket will automatic trigger CICD pipeline start cleaning data, then extracting data(Python Script) then Run SQl query top of that
  After what it will create result CSV files and send to dedicated Email ID.(with SMTP Server as if now its Gmail) in parallel it create tables and Uploaded to postgres.
- ❑ Hands on Experience with Automation Task, Data Feeding from any cloud or API.
- ❑ Currently Working with tools Like Apache Airflow, Apache Pulsar, S3 bucket, SmTP, Postgres, Sandbox, AWS.

### Reliance Jio (Sept-2015 – Apr 2020)
### BIG_DATA SCIENTIST, RELIANCE JIO.

### JIO Agriculture & cattle project: - This is Jio upcoming **IOT** based project basally we are building IOT based device which can be used by farmer for increasing their productivity. These devices on last 20 years soil and weather data calculate and try to predict which element or water or weather crops are required.

- ❑ Over 5 years of working experience including 3+ years of experience in **Hadoop** ❑ Development along with 2+ years of experience in DevOps.
- ❑ Excellent understanding of Hadoop architecture and various components such as HDFS, YARN, High Availability, and MapReduce programming paradigm.
- ❑ Hands on experience in installing, configuring, and using Hadoop ecosystem components like Hadoop 2.x, MapReduce 2.x, HDFS, HBase, Hive, Kafka, Zookeeper, Spark, Storm, Sqoop and Flume.
- ❑ Experience in analyzing data using HiveQL**, HBase** and custom MapReduce programs in Java.
- ❑ Wrote Ad - hoc queries for analyzing the data using HIVE QL.
- ❑ Experience in integration of various data sources in RDMS like Oracle, SQL Server.
- ❑ Used NoSQL Database including HBase, Cassandra.
- ❑ Implemented Sqoop jobs for large sets of structured and semi-structured data migration between HDFS and/or other data storage like Hive or RDBMS.
- ❑ Extracted data from log files and push into HDFS using Flume.

- ❏ Scheduled workflow using Oozie workflow Engine.
- ❏ Good knowledge and experience in using Kibana and Prometheus and Grafana for logging and monitoring.
- ❏ Used Kibana for monitoring data coming through IOT device.
- ❏ Sublimated query in Kibana to perform different analytical operation.

### Responsibilities:
- ❏ Installed, configured, monitored and maintained Hadoop cluster on Big Data platform.
- ❏ Configured Zookeeper, worked on Hadoop High Availability with Zookeeper failover controller, add support for scalable, fault-tolerant data solution.
- ❏ Wrote multiple MapReduce programs in Python for data extraction, transformation and aggregation from multiple file formats including XML, JSON, CSV and other compressed file formats.
- ❏ Stored and fast update data in Hbase, provided key based access to specific data.
- ❏ Extracted files from Cassandra through Sqoop and placed in HDFS and processed.
- ❏ Configured Spark to optimize data process.
- ❏ Created HDFS Snapshots in order to do data backup, protection against user errors and disaster recovery.

**Environment:** Hadoop, HDFS, MapReduce , YARN, Pig, Hive, HBase, Sqoop, Flume, Oozie, Zookeeper,Cassandra,Spark, Kafka.Kibana, Grafana.

### JIO PHONE KAI STORE AND FOTA.
**(APP STORE OF JIO PHONE AND FIRMWARE MANAGEMENT)**

- ❏ Designed Kai store (Jio phone store) architecture with base principles of scalability, redundancy, no single point of failure, secure and perfect zero downtime infrastructure and deployment.
- ❏ Designed and created a complete automated deployment pipeline(with python) for kai cloud (200+ Nodes), using Ansible, Shell scripting and Python. Different nodes were like Load Balancer, Web servers, Application servers, Redis and GoNATS etc.
- ❏ Implemented and managed Big Data DB cluster i.e. HDP Hadoop and Apache Cassandra ❏
- ❏ Implemented DevOps tools and culture for automation i.e. slack, monitoring ❏ Worked with InfoSec (security) team closely for all security clearance i.e. VA, BA, ❏ Managed GitHub repositories and permissions for Jio Kai cloud servers.
- ❏ Worked on Amazon Web Services (EC2, RDS, DynamoDB, S3, IAM, CloudWatch, VPC, SNS, ELB, Auto Scaling, Route53 etc).

### Professional Qualifications

| Academic | Board/University | % of Mark | Passing Year |
|----------|------------------|-----------|--------------|
| 10th | Haryana Board of School and Education, Haryana | 88 | 2007 |
| 12th | Central Board of Secondary Education, New Delhi | 63 | 2009 |
| B. Tech | Electronic & Communication (ECE) Kurukshetra University ,Kurukshetra | 62 | 2013 |

Place: Delhi                                            AMIT MIGLANI