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## Professional Summary

- Total 11 years of experience in **Agile, Requirement Analysis, Design, Full life cycle Development and Implementation of various applications and Big DATA technologies.**
- Hands on Experience in **Spark, Python, Hive, Hadoop, Basic MS-SSRS, Basic Power-BI**
- Strong **SQL** Experience
- Good exposure on **Scala**
- Has Sound Knowledge on **Data Science** Modules
- Having Sound exposure on **AWS & Azure Cloud Services**
- Extensive hands on experience in **MYSQL, ORACLE SQL, PL/SQL, Mongom, MS-SQL Server**
- Extensive experience in **Financial domain, Telecom domain & Retail Domain Product development.**
- Sound Experience in **Full Stack Development**
- An effective communicator & Team leader with strong analytics, problem solving & Organizational abilities.
- Quick Learner with an ability to adapt to different business environments and users.

## Technical Skills

- ◆ Programming Languages : Python, Perl, NodeJs, Basic Java, Scala & Shell Scripting
- ◆ Big Data Technologies : Hadoop, Spark, Hive & Sqoop
- ◆ Data Science : Pandas, Numpy, Scikit Learn, matplotlib
- ◆ SDLC Methodologies : Agile (Scrum) and Waterfall
- ◆ Web Technologies : HTML, CSS, JavaScript, JQuery, Ajax, JSON, XML, REST Services
- ◆ Web Frameworks : Django, Flask, Nodjs, Selenium, Falcon
- ◆ Database : Oracle, MYSQL, SQL Server, Amazon Redshift, SQL, PL/SQL
- ◆ Development Tools : PyCharm, jupyter, notepad++, Jenkin tool, crontab
- ◆ Web Servers : Apache, nginx
- ◆ Operating System : Windows XP/7, Linux(Centos/Ubuntu), Solaris
- ◆ Version Control Tools : Git, SVN
- ◆ AWS Cloud Services : Lambda Functions, RedShift, EC2, Dynamo DB, S3, AWS SFTP & Kinesis
- ◆ Azure Cloud Services : Azure Functions, Data Factory, Cosmos DB, Blob Storage, Event Hub

## Experience

- Working as Senior technical Lead in **Nisum Consulting Pvt Ltd**, from March, 2018 till Today.
- Worked as a Project Lead in **Oracle India Pvt Ltd**, from 17<sup>th</sup> Apr 2016 till March, 2018.
- Worked as a Sr. Software Engineer at **Syniverse** between Oct 19<sup>th</sup> 2010- 13<sup>th</sup> Apr 2016.
- Worked as a Software Engineer at **Tecnotree** between June-2008 – Nov 2010.

## Projects in Chronological Order

<b>Project Name</b>	<b>Convenient Store Retail Business data Analysis</b>
<b>Role</b>	Team Lead and Self Contributor
<b>Technologies</b>	Hadoop, HDFS, Hive and Scala.
<b>Database</b>	Oracle Database
<b>Duration</b>	Nov 2019 – till date

### Description:

Convenient Store is a software application which is used by many Convenience Stores for Integrated and Centralized management of multiple Convenience Stores, managing Daily Operation of Individual Convenience Store, Vendor Price imports, Inventory management.

**Responsibilities:**

- Responsible for understanding the requirements from stakeholder and assigning the individual components or modules to my subordinates.
- Loading Sales and purchase Historical data from RDBMS Databases to the HDFS, Hive Tables Based on the Requirement.
- Performing raw analysis of data loaded into HDFS using Hive QL.
- Analysis and Processing of data from the Customer by using Spark/Scala.
- Coordination with Data warehouse team for generating reports from the Hive tables.

<b>Project Name</b>	<b>NLTV_STB (National Local TV)</b>
<b>Role</b>	Spark Developer
<b>Technologies</b>	Hadoop, HDFS, Spark and Python.
<b>Database</b>	Oracle Database
<b>Duration</b>	Jan 2019 – September 2019

**Description:**

Safeway provides ratings for US television channels based on data collected from each household through various sources like diary-data, surveys, meter-connections and setup boxes. All this data is managed and stored in Netezza DB when the data was collected from surveys, meter-connections and diary-data. Now the data collection technique is direct from Setup Boxes, which will be very huge to handle with existing DBs. Hence, Safeway is migrating from Netezza to HDFS for storage and processing of this huge data. The data size would be on TBs and not a batch-processing program and will be executed by the end customer based on their need.

**Responsibilities:**

- Data Ingestion from Netezza DB to HDFS using Sqoop for MediaView
- Enhanced stat calculations involved in National Television ratings collected via Set Meters and People Meters.
- Using Spark-SQL to perform calculation using Spark-Scala Data Extraction from large data containing S3 Bucket to our S3 Bucket using transformation techniques.
- Have used different file formats like Text, Parquet for processing the data using Spark
- Used shell scripts for validating the counts of text files and SQL's for validating the rows count of Netezza tables.
- Also Posted the DQC results to vortex tool in Json format using Spark-Scala
- Created External tables using Hive partitions and applied Hive queries to calculate the metrics.
- The entire design document will be maintained and daily status will be discussed in sprint stand-up calls

<b>Project Name</b>	<b>Automating Authorized Job posting sites data parsing</b>
<b>Role</b>	Team Lead, Modelling & Self Contributor
<b>Technologies</b>	Python, Selenium, Django, Falcon, Matplotlib
<b>Database</b>	MySQL
<b>Duration</b>	Jan 2019 – September 2019

**Description:**

This project is for Nisum's recruitment Automation purpose to pull the job descriptions from different job posting sites from the Nisum's authorized accounts.

**Responsibilities:**

- Designed the workflow.
- Developed modules for parsing the job posting sites data using python
- Involved in end to end Application Testing.
- Coordinating with Onsite counterparts for gathering business & technical requirements and providing the solutions

<b>Project Name</b>	<b>Package Shipment Delay Prediction</b>
<b>Role</b>	Team Lead and Self Contributor
<b>Organization</b>	Nisum Consulting Pvt. Ltd
<b>Technologies</b>	Python, Pandas, numpy, scipy, Regression Algorithms, matplotlib, geopy, python-google-places openweather-api, urllib
<b>Database</b>	Oracle Database

#### Description:

Shipment delay prediction is for predicting delay on the customer purchased item through online portal, the delay parameters are based on weather forecasting, carrier services, route distance between source destination to destination destination and shortage of goods in the ware house.

#### Responsibilities:

- Participated in gathering the requirements and analysis.
- Participated in the Exploratory Data Analysis for this project.
- Developed API's for carrier services, Distances API, weather force casting.
- Developed the model for predicting the shipment delay of an item based on the above API data and with Regression model.
- Lead the team

<b>Project Name</b>	<b>Twitter Data Ingestion and Pipeline for real-time and batch process</b>
<b>Role</b>	Team Lead and Self Contributor
<b>Client</b>	Nisum Consulting Pvt. Ltd
<b>Technologies</b>	Python, nodeJS, Amazon Web Services(S3, Redshift, Kenisis), Spark, Kafka, HDFS, Hive
<b>Database</b>	Amazon Redshift, Hive
<b>Duration</b>	4 Months

#### Description:

Twitter is an application used by user to tweet reviews about the topic in text message. These tweet messages capture in Kafka. Spark forward the streaming messages to HDFS and AWS Redshift.

<b>Project Name</b>	<b>AWS Logs process from internal monitoring tools</b>
<b>Role</b>	Self Contributor, Team Lead
<b>Organization</b>	Nisum Consulting Pvt. Ltd
<b>Duration</b>	Jun 2018- Aug 2018
<b>Technologies</b>	Python, AWS, Lambda functions, CloudWatch, S3
<b>Database</b>	Redshift

#### Description:

Part of this project, we would get the log data from different monitoring systems tools data logs into the AWS S3 system, from there we would process the data based on the patterns of the log file. We parse the data by using Lamda function and then push the data into the Red shift.

<b>Project Name</b>	<b>Data Science Case Studies</b>
<b>Role</b>	Self Contributor & Lead
<b>Organization</b>	Nisum Consulting Pvt. Ltd
<b>Technologies</b>	Python, scikit-learn, matplotlib, pandas, numpy

**Case Study 1:** CalCOFI: Is there a relationship between water salinity & water temperature? Can you predict the water temperature based on salinity?

**Case Study 2:** Weather in Szeged 2006-2016: Is there a relationship between humidity and temperature? What about between humidity and apparent temperature? Can you predict the apparent temperature given the humidity?

**Case Study 3:** Weather Conditions in World War Two: Is there a relationship between the daily minimum and maximum temperature? Can you predict the maximum temperature given the minimum temperature?

**Case Study 4:** The Ultimate Halloween Candy Power Ranking: Can you predict if a candy is a chocolate or not based on its other features?

**Case Study 5:** Epicurus -Recipes with Rating and Nutrition: Can you predict whether a recipe was part of #cakeweek based on whether it its other features?

<b>Project Name</b>	<b>Super Mass Consolidation(SMC), Phase –I, Phase –II, Phase-III</b>
<b>Role</b>	Lead Software Engineer
<b>Organization</b>	Oracle India Pvt Ltd
<b>Duration</b>	2016/04- till March 2018
<b>Technologies</b>	Python, Perl and Unix

**Description:**

DTE(Distributed Topology Environment) is a Oracle Preparatory frame work for automation, using this frame work, working on SMC (Super Mass Consolidation) Project with which all the Products under the Oracle Cloud (ex: HRM, CRM, FSCM etc..) applications were wrapped up within a snapshot in which all the applications were deployed with the Virtual Machines(VM's)

<b>Project Name</b>	<b>MACH to Syniverse Sytem Data &amp; Functionality Migration</b>
<b>Role</b>	Software Developer, Attending the Standup, Updating the JIRA tasks, backlog grooming
<b>Organization</b>	Syniverse Mobile Solutions Pvt Ltd.
<b>Duration</b>	2011/01- 2016/04
<b>Technologies</b>	Python, Perl, PL/SQL and Unix, Javascript, HTML, Ajax, JQuery

**Description:**

Part of migration projects for the clients we should generate the customized reports from the back end based on the criteria in the XLS format or CSV formats.  
Below are the SAP reports which I was delivered.

- i) JPNDOCO, MYSMT, VIVO, ORANGE reports
- ii) Auto Creation of Invoice Templates (15). By these templates for generating the invoices in the provided / selected formats
- iii) Auto Creation of Credit Note / Debit Note adjustments. By these templates whenever credit/ Debit notes need to issue, in such case based on the same invoice templates outline, the CN/ DN invoice templates will be generated
- iv) Cash Management for the settled transactions
- v) Clearing Data Lock which is useful for not to do any modifications in the DCH/Invoice/Adjustments before going into Settlement.
- vi) EID (Electronic Invoice Distribution) Invoice Generation for the customers
- vii) PNR (Payment Notification Report) for the payments received from the clients partners
- viii) Hubbing Functionality (Hub-Hub/Hub-Operator/Operator-Hub)

<b>Project Name</b>	<b>Enterprise SMS/MLP for MTN Iran and MTN Cameroon/MDX+ Content Management System</b>
<b>Role</b>	Software Developer, Attending the Standup, Updating the JIRA tasks, backlog grooming
<b>Organization</b>	Syniverse Mobile Solutions Pvt Ltd.
<b>Duration</b>	2011/01- 2016/04
<b>Technologies</b>	Python, Perl, PL/SQL and Unix, Javascript, HTML, Ajax, JQuery

- Enterprise-SMS Solution, which will enable enterprises tied up with Irancell to send SMS Messages to Irancell subscribers.
- Mobile Loaded Portal is a portal is used by MTN subscribers. The Portal access would be offered as one of the value-added services to the subscribers of MTN. Users can download contents using MLP through one of the many output channels, viz.; SMS, MMS, STK, IVR and WAP Push. In order to offer value added services to its subscribers, MTN will use MDX+ content management and delivery platform.
- MDX+ Module is a scalable carrier class product suite that supports rapid creation and deployment of wireless services. The product's future-ready architecture is geared to support a variety of mobile via SMS and WML.
- UTV short code for delivering the text, premium, rich premium contents and subscription services to the subscribers & doing the billing, generating CDR's against to the subscriber for the requested content.

**Education**

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- Btech from Srinivas Engineering College (Affiliated to JNTUK University) with the 61%.
- 10+II from Sr Jr College (AP Intermediate board) with the 79%.
- **SSC from Chaitanya Vidyanikethan (AP Board of Secondary School) with 72%.**