SHIVIL MANGAL
E-mail: shivilmangal@gmail.com ~ Mobile: +91-8375010019

An Overview

- Working as Hadoop and Spark Developer in Wells Fargo with a total work experience of 8 years. Previously worked with TCS for 6 Years.

- Working knowledge and Hands-on experience on Hadoop ecosystems (MapReduce, YARN, HDFS, PIG, Hive, Sqoop, Flume, Oozie, PYSPARK, Spark, AWS and EMR) with exposure to Python.

- Knowledge of Machine Learning and Deep Learning techniques.

- Good communication & interpersonal skills with abilities in resolving complex system issues.

Technology Forte

- **Big Data Ecosystems:** Hadoop, Pyspark, HDFS, Hive, Pig, Sqoop, Oozie, Tableau, H2O
- **Programming Languages:** Core Java, SQL, Python
- **Cloud Platforms :** Amazon Web Services (AWS)
- **Tools:** Eclipse, Code Commit, Anaconda, Pycharm
- **Platforms**: Windows, Linux, Centos, Mainframe

Academic Credentials

- Post Graduate Diploma in Machine Learning and Artificial Intelligence from IIIT Banglore in 2020
- Master of Engineering in Electronics and Instrumentation from Thapar University in 2012
- Bachelor of Technology in Instrumentation Technology from Kurukshetra University in 2009

Organisational Scan – Project Overview

Organization	Period	Designation
Wells Fargo	Feb 2019 to Present	Sr. Software Engineer
Tata Consultancy Services	Nov 2012 to Feb 2019	IT Analyst

Wells Fargo Project Overview

Organization: Wells Fargo
Period: Feb 2019 - Present
Role: Hadoop and Spark Developer

Description: Currently data warehouse is being migrated from existing RDBMS sources to Hadoop and Hive. ETL jobs are being converted to Spark jobs to remove their dependencies on type of data warehouse.

Roles and Responsibilities:
- Working on data ingestion jobs using sqoop from RDBMS sources to hdfs.
- Conversion of ETL jobs into pyspark code.
- Involved in creating end to end data pipeline including data ingestion and data processing.
- Explored the H2O tool for Machine Learning.
- Developed system monitoring scripts for hadoop cluster using python.

   Technologies and Tools: Spark 2.3, Python 3.6, Hortonworks, Greenplum, Hive, Sqoop, H2O

TCS Project Overview

Project # 1

Project: Leading Canadian Bank
Period: Jan 2017 - Feb 2019
Role: Hadoop and Spark Developer

Description: A loan analysis and reporting application is currently running in mainframe with SAS jobs. The final reporting is being used by for various analysis and new business opportunities. Right now whole infrastructures are being migrated to AWS. In which some of the SAS jobs are being converted to AWS EMR jobs using Pyspark and hive.

Roles and Responsibilities:
- Involved in creating Hive tables, loading with data and writing hive queries.
- Conversion of SAS job to Pyspark.
- Conversion of whole jobs existing job flow in EMR jobs with the help of various AWS services.
- Involved in Requirement Analysis, Development and Technical Documentation

Technologies and Tools: Spark 2.3, Python 2.7, AWS EMR 5.17, Hive 2.3, AWS S3, AWS Code commit.

Project #2

Project: Leading German Bank
Period: Mar 2015 - Dec 2016
Role: Hadoop Developer

Description: An internet Banking Application. It provides very useful features to the bank customers who have registered for internet banking facility. It is a free registration facility provided by the bank. Once the customer registers for online banking facility, they will be provided a user id and password to carry out the online transactions in a secure manner.

Roles and Responsibilities:
- Implemented data load process from LINUX file system to HDFS and Teradata to HDFS using Sqoop
- Involved in creating Hive tables, loading with data and writing hive queries
- Experienced on Hadoop Cluster monitoring tools like Hue and Cloudera Manager

Technologies and Tools: Hadoop 2, HDFS, Hive, Java, Flume, Cloudera 5*, Oozie, MySQL, Centos, Core Java

Project #3

Project: Loan Lending Leading Bank
Period: Jan 2014 to Feb 2015
Role: Junior Hadoop Developer

Description: A loan application which uses the data from various sources to generate the some reports. Data was stored in hive data warehouse and various hive jobs were used to prepare the data for the reports.

Roles and Responsibilities:
- Importing and exporting data into HDFS and Hive using Sqoop
- Written Hive queries for data analysis to meet the Business requirements.
- Used Oozie workflow engine to create the workflows and automate the Map Reduce, Hive, Pig jobs.
- Load the data to a final hive table where it can be analyzed for power BI reports tools like Tableau.

Technologies and Tools: Hadoop 1/2*, HDFS, Hive, Java, Flume, Cloudera 4*, Oozie, MySQL, Centos, Core Java

Project #4

Project: Integrated Pharmacy Management Services - USA
Period: Sep 2013 to Dec 2014
Role: Identity and Access Management

Description: TCS provides IT Infrastructure Support services to customer's data centre. Scope of TCS' work is to ensure high availability and up time of customer's large scale production systems running mission critical applications.

Roles and Responsibilities:
- Activities Related to Active Directory, permissions to folders and Creation of mailboxes and distribution lists.
- Providing access to end users for Teradata, Mainframe, Unix servers and various in house applications

Technologies and Tools: SQL Assistant, CyberArc, Remedy

Personal Dossier

Date of Birth   :   6th Jul 1987
Gender   :   Male
Marital Status   :   Married
Current Address   :   Kondapur, Hyderabad