

KOWSALYA R

Data Engineer

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SUMMARY

- Having 4 years of experience in the IT industry
- including 4 years of experience as a PySpark Developer using Big Data technologies.
- Around 6 Months of experience as a Python developer

SKILLS

Python, Pyspark, AWS(S3, EMR), Oracle, SQL, Pandas, OpenCV, GitHub, Tesseract OCR

WORK EXPERIENCE

Data Engineer - PySpark

Hinfo Technology – Bangalore (4 Years)

June 2018 - Till Date

Project Name : Data Migration

- Design and develop ETL integration patterns using Python on Spark.
- Develop framework for converting existing PowerCenter mappings and to PySpark(Python and Spark) Jobs.
- Create Pyspark script to bring data from MySQL to Amazon S3.
- Translate business requirements into maintainable software components and understand impact (Technical and Business)
- Provide guidance to development team working on PySpark as ETL platform
- Makes sure that quality standards are defined and met.
- Optimize the Pyspark jobs to run on Cluster for faster data processing
- Provide workload estimates to client
- Implement CICD(Continuous Integration and Continuous Development) pipeline for Code Deployment
- Reviews components developed by the team members

Project Name : Obsessory Data Pipe Line

- Developing Spark scripts as per client requirements
- Developing Spark applications using multiple programming languages such as Python
- Converting Oracle SQL queries into Spark transformations
- Developing Python coded Spark projects

- Developing Spark jobs to parse JSON data
- Importing data from multiple sources such as AWS S3 into Spark Data Frame
- Hands-on experience working with Amazon Web Services like S3 and EC2
- Extracting features from data sets using Spark SQL
- Using Parquet and other data formats to store in S3

Project Name : Face Recognition Attendance System

Tools : Python, Open-CV, Machine Learning, MY SQL(DB)

- 1 Provides a valuable attendance service for both teachers and students. Reduce manual process errors by provide automated and reliable attendance system use face recognition technology
- 2 Increase privacy and security which student cannot presenting himself or his friend while they are not present.
- 3 Produce monthly reports for lecturers automatically by this application.

EDUCATION

Bachelor of Engineer (CSE) – Anna University