ABU YASAR ARAFATH A

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Hyderabad – India

CAREER OVERVIEW & CAPABILITIES

Possessing developed skills with more than **2 years of experience** in IT Industry with duties that includes coordinating with project teams, **writing** code based on **software** designs, analysing various problem statements and deriving solutions for the same, providing internal support for various departments, adhering to **software** development processes, documenting test procedures, and solving project issues.

AREAS OF EXPERTISE

PROGRAMMING LANGUAGES	Python,PySpark,C,C++
QUERYING LANGUAGES	Snowflake SQL,T-SQL,PL/SQL
TOOLS	Kubernetes,Docker,Apache Spark,Apache Airflow,Tableau,Microsoft PowerBI,Microsoft Power Apps
TECHNOLOGIES	Cloud ETL,Data Analytics,Data Warehousing
DATABASES	Snowflake,Db2,Derby,Postgre,Oracle

EMPLOYMENT HISTORY

Software Engineer   **April 2020 – Present**
Tek Systems, Hyderabad ˍ India

T.ROWEPRICE Enterprises (TRP) Py-Spark Etl - Data Modernization II (Apr 2020-Present):

- Worked collaboratively to deliver an ETL orchestration solution for ODS to Cloud migration, the application is implemented using **Kubernetes**, **Docker**, **PySpark**, **Python**,

EC2, **RDS** and **Lambda functions** to load data from legacy onpremise ADS and ODS onto cloud.

- Worked as part of a team implementing ETL processes and integration of data from multiple data sources by writing PySpark jobs on a cluster in a containerized environment and orchestrating the same through Airflow.

Roles and Responsibilities:

- Responsible for developing multiple PySpark ETL codes to migrate data from onpremise database to cloud database.

- Responsible for creating behaviour driven development framework to test the functional behaviour of the code with mocked data before run with actual data.

- Responsible for developing an automation testing mechanism that checks the quality of data after it is loaded into the target.

- Responsible for creating a framework for unit testing and increasing Coverage of Pyspark code using Mock and Patching mechanisms.

Associate Engineer	**16 July 2018 – Mar 2020**
Tek Systems, Hyderabad - India	

T.ROWEPRICE Enterprises (TRP) Py-Spark Etl Data Modernization I(Jan 2019-Mar 2020):

- Using **Python and Spark technology** we created multiple programs that fetches the data from **IBM DB2 tables** and convert the table into **JSON file** and store them **AWS S3 bucket and Snowflake DB** for Client Report Purpose.

- The Client will use the files in **IBM DB2** tables as an backup. From S3 Bucket we again move those files convert them and store in **SNOWFLAKE DB** which is the clients Report purpose Database.

- From **SnowFlake DB** client pull the data and prepare reports for themselves.

- All these process are reversible by just changing the parameters in the program.

Roles and Responsibilities:

- **Developed PySpark code to pull data** from IBM db2 database table and migrate them to AWS S3 bucket as a JSON file.

- Developed PySpark code to test (**Automated**) the columns and data are the same in both the database table as well as in the JSON file.

Qdoba Mexican Eats ETL and Reports(September 30 2018-December 31 2018):

✦ ETL and Reports - using **SSIS (**an ETL tool**)**, extracted the data from client **OLTP (Microsoft Database)** and loaded the necessary data to **OLAP (Microsoft Database)**.

✦ We built an entire Data Warehouse with lots of Dimension and Facts.

✦ All the data are loaded into the necessary dimension and fact tables after undergoing lot of cleansing operations and data transformation.

✦ Taking those data, created a report using **TABLEAU** for the client that is schedule on daily basis.

✦ So that the client can view their company's performance, also use the reports to know where the profit is high, also for trend prediction that will be useful for company's growth.

Roles and Responsibilities:

• Developed multiple ETL packages to pull the **Cash and Sales Module data** using **Microsoft SSIS and T-Sql** from Client OLTP to OLAP.

• Created an solution for performing **SCD type 2** using T-Sql package.

• Improved the efficiency of data load from 2 hours to half an hour.

• Perform **Unit testing and Integration testing** and check the data load on daily basis.

• Created the **Daily Summary Repor**ts using **Tableau** on client's Cash And Sales Module and schedule it in mail to client in daily basis.

Intern	15 Jan 2018– 21 Apr 2018

TekSystems - Hyderabad,India
Project Description:

✦ **BALANCE SCORE CARD (Employee Performance Review)**, created a PL-SQL package which fetches our company employee's data from different databases (some are from cloud).

✦ The Pl-Sql package after fetching the data it undergoes and perform lot of calculations and store them in an oracle Database table.

✦ The package then iterates through the table and send the employees performance card BALANCE SCORE CARD (BSC) to the respective email id.

✦ The Pl-Sql package has an **html page that embeds the employee details in the BSC** so that the mail will be view in the form of a web page.

Roles and Responsibilities:

• **Developed Front End** of the Balance Score Card using **html and css**.

• Collected the data from different sources and migrated them to a single common database table.

- **Performed access security** to the database table as it involved employee performance table.

- **Performed unit testing** on daily basis to check the data pulled correctly and the mails were sent the respective employees.

- **Automated** the entire process using **DBMS Scheduler**.

CERTIFICATIONS:

SnowPro Core Certification

Issued by   : Snowflake
Issue Date   : 16 June 2020
Expiry Date : 16 June 2022
Credential ID: 8648258

ACADMIC PROJECTS:

- **Pets Care Center,** an android application to manage the pets care activities as well as care takers could be appointed to the doctor through this application. This App directly connects the doctors and pet care takers. There will be two login modes one is for Doctors and other is for Clients who have pets. This will also be a portal to exchanges their tips for the clients to take care of their pets, also how to make them lead a healthy life. Using this App you can book doctors in case of emergency also for regular checkups. The frontend was designed using **Android Studio**. The database used was **SQLite**.

  Roles and Responsibilities:

- Developed the **Front End** for the Client portal.

- **Integrated** the entire Front End with the **SQLite** database.

- **Smart Appliance Control System,** a system developed for automatic on and off of LED lights using **Arduino UNO and ESP8266 Wifi module** through an android app or a website. Using this App you can take control over your household Appliances even if you are in distance. This App will give you a notification in your mobile phone if the appliances are on for long time which in turn saves lots of power and human work.

- Made the **Arduino setup** to be up and made the **LED** be able to blink using **Arduino IDE code**.

- **Integrated** the **Arduino UNO** and **Arduino IDE** with the web application.

ACADEMIC ACHIEVEMENTS:

- Awarded for securing centum in **Chemistry** in HSC board exam.
- Participated in one credit course on **"Human Computer Interface"** conducted by Information Technology Association.
- Participated in one credit course on **"Integrated Product Development"** conducted by Automobile Department.

EDUCATIONAL DEVELOPMENTS:

Course	Institution	Board/ University	Completion By	Marks (CGPA
B. Tech IT	PSG College of Technology	Anna University	2018	7.47

PERSONAL DETAILS

- ✦ Nationality   : Indian
- ✦ Civil status   : Single
- ✦ Date of Birth   : 17.09.1996
- ✦ Passport No   : R3380660
- ✦ Languages Known : English, Tamil.