Chandra Parkhe

Senior Associate Data Engineering L1

SUMMARY

Chandra Parkhe is a Senior Associate Engineer L1 at Publicis Sapient, Bengaluru. He has been a valuable team member since September 2023. With four years of experience in data engineering, he has built a strong foundation in extracting meaningful insights from raw data. He is highly proficient in Python, SQL, and PySpark, which allows him to adeptly manage various aspects of the data pipeline, including data ingestion, ETL processes, data warehousing, and visualization. Recently got opportunity to work in Automation domain where Chandra worked with streaming data migration & also worked with API call based data storage. Also having experience in Financial Intelligence Unit & Wireless Communication. In Financial Intelligence Unit, adopted a retailer's perspective and used AWS, PySpark, and PySpark-SQL for cloud processing. His responsibilities included understanding data flow, collaborating with teams, filtering and processing data, engaging with Business Analysts, validating data, designing tables, analyzing and cleansing data, optimizing code, and managing data storage on AWS S3. In Wireless communication, the goal was to deliver voice, data, and video services over various networks. Responsibilities included managing the Learning Management System, automating data movements, creating a Python API, designing database schema, implementing Git for version control, working with MySQL, participating in code reviews, ensuring data security, and providing progress updates to stakeholders. He emphasizes the importance of collaboration and communication in his work, seamlessly partnering with data scientists, analysts, and stakeholders to meet their needs. His ability to translate requirements into scalable data solutions showcases his dedication to the organization's ongoing growth and success.

Chandra's background includes a diverse range of projects in data engineering and software development, where Chandra had acquired valuable skills and expertise. In the Financial Intelligence Unit, Chandra strengthened his data engineering abilities by working with Spark, SQL, Python, Linux, PySpark, and AWS. Key responsibilities included comprehending data flow, data filtering and processing, table design, data analysis and cleansing, and code optimization. In the Wireless Communication project, Chandra took on the role of a software engineer and utilized Python, GIT, PostgreSQL. Chandra's duties involved problem-solving, data movement, automation, Python API creation, test framework development, database schema design, continuous integration, Git version control, MySQL database management, code review, data protection, and project planning. These experiences have allowed Chandra to build a solid foundation in both data engineering and software development, continually enhancing skill set and achievements to contribute meaningfully to each organization's success.

WORK EXPERIENCE:

Publicis Sapient	**September 2023 To Present**

Bridgestone, HANA Side Car Data Migration, Associate Data Engineer-L1

Description: Create PySpark job to extract the streaming data from AWS Streaming, transform the streaming data into meaningful business requirement & then load into Aurora database using AWS Glue job and IDF tool. From aurora database load data into presentation table.

Roles and Responsibilities:1. Create a POC of requirement and start implementation.

2. Using PySpark glue job connect to aurora database extract the data perform the transformation & then load into presentation table.

3. Create triggers for the jobs and deploy it through yml files.

4. Connect to the stockholder's API using Glue job and extract the data and store in S3 bucket.

5. Worked with IDF tools to extract data stored in S3 bucket and using same tool dumped into Aurora database after performing transformation.

6. Responsible to create DDL\primary keys\Indexes for the tables, also responsible to fix any discrepancies between source and target database.

Skills/Domain: Python, MySQL, PySpark, AWS, S3, GLUE, GLUE CRAWLER, ATHENA, LAMBDA, AURORA

Bridgestone Consolidated API, Associate Data Engineer-L1

Description: Connect to Bridgestone API for extracting the data using glue job & then run the IDF GLUE job to perform transformation & loading the data into aurora db.

1. POC of the features & touchbase with BA to get insight of requirement.

2. Develop, test & maintain E2E pipeline from Source to Destination.

3. Developing and configuring the Glue job to perform the necessary data transformation operations to extract data from API & store it in AMAZON S3 bucket.

4. Implementing the IDF GLUE job to efficiently loading the transformed data into the Aurora DB, ensuring accurate and optimized data storage for seamless retrieval and analysis.

5. Monitoring the data extraction, transformation, and loading processes to ensure smooth execution and timely completion of tasks.

6. Troubleshooting and resolving any issues encountered during the data pipeline execution, maintaining high data quality and integrity.

7. Collaborating with cross-functional teams to ensure alignment with project objectives and stakeholders' expectations.

Skills/Domain: Python, MYSQL, PySpark, AWS, S3, GLUE, GLUE CRAWLER, ATHENA, LAMBDA, AURORA, IDF Tool

TECHBEEZ SOFTWARE	August 2019 To September 2023

Financial Intelligence Unit, Data Engineer

Description: To fully capitalize on the potential benefits, credit card providers must shift their perspective on transactional credit card data and adopt a retailer-focused approach. By exploring the location, product, and competitive intelligence aspects of credit card data, new revenue opportunities

can be unlocked for both providers and merchants. In this project, we utilized AWS for cloud processing and employed PySpark, PySpark-SQL, and AWS-based technologies for data processing.

Roles and Responsibilities:1. Understand the nature and characteristics of data and check how data flow.

2. Worked with Business and analytics team in gathering the system requirement.

3. Filter data and perform multiple operations in order to get meaningful insights that help clients in decision making and analysis.

4. Engage with BA to understand the requirement clearly.

5. Responsible for daily data validation.

6. Designed Both Managed and External Table.

7. Analyze data by running SQL queries.

8. Optimize code using Pyspark for better performance.

Skills/Domain: Spark, SQL, Python, Linux, PySpark, AWS (Glue, Crawler, lambda, Athena, S3, Triggers)

Wireless Communication, Software Engineer

Description: As a Python developer, the primary goal of the project was to develop and deliver voice, data, and video products and services across wireless, broadband, and global IP networks. The focus was on addressing customers' increasing needs for speed, mobility, security, and control through efficient and innovative Python-based solutions.

1. Automated data movements using Python scripts.

2. Created core Python API which will be used among multiple modules.

3. Created unit test/regression test framework for working/new code.

4. Involved in database schema design, development, and creating snapshots with materialized.

5. Using GIT as version control tool to coordinate team-development.

6. Worked in MySQL database on simple queries and writing Stored Procedures for normalization.

7. Participated in code reviews to ensure the quality and efficiency of code.

8. Implemented security measures to protect sensitive data and prevent unauthorized access.

9. Contributed to project planning and provided regular progress updates to stakeholders.

Skills/Domain: Python, GIT, MySQL, Scrum, Agile, Docker

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Senior Associate Data Engineering L1

EDUCATION:

Bachelor Degree, (Electrical & Electronic Engineering): Ragiv Gandhi Proudyogiki Vishwavidyalya, Bhopal, 2015

SKILLS:

Additional Skill(s):   Data Science

Other Skills: Linear regression models , logistic regression models

ADDITIONAL DETAILS:

Certification/Trainings

Certification in Data Analyst and Machine Learning, IMARTICUS -- 2022