**Priyabrata Panigrahy**

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**Objectives:**

To be a part of progressive organization with innovative and dedicated minds and with a prospering and open minded work culture that ensures ample opportunities for learning and growth.

**Technical Skills:**

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| --- | --- |
| Languages known | PYSPARK ,PL/SQL |
| Data Ingestion | Apache Sqoop 1.4.6 |
| Big Data Processing Frameworks | Apache Hadoop 1.2.0, Apache Hadoop |
| Data Analysis | Apache Spark 2.4.0 (Pyspark), Apache Hive 1.2.1 |
| Hadoop Data Platforms | Hive 1.2.1 |

**Technical Summary:**

* Design, code, and implement next-generation data analytics platform using software engineering best practices in the latest technologies.
* Work as part of a delivery team, collaborating with others to understand requirements, analyse and refine stories, design solutions, implement them, test them and support them in production.
* Experience with Spark Environments and Spark integration with Big Data (Hadoop),
* Apache Spark (Batch analytics) + Oracle (Sql) + Big data related Technologies
* Working knowledge on Importing RDBMS table data to on premise Hadoop Data Lake using PySpark Data Frame JDBC APIs.Skills utilizing python and Spark fundamentals
* Good experience of creating and manipulating data on a Hadoop environment using HDFS
* Practical experience of test driven development and constant refactoring in continuous integration environment.
* Knowledge of SQL and relational databases
* Experience working in an agile team, practicing Scrum.
* Practical experience of delivering good quality code within enterprise scale development and Develop solutions in a highly collaborative and agile environment.

**Experience Preview:**

* Lumen Technology Solutions Pvt Ltd (Dec 2019 to till Date)
* Cognizant Technology Solutions (Oct 2018 to Nov 2019)
* Capgemini Technology Services India Pvt Ltd (Dec 2014 to Oct 2018)

**Project Details:**

**Project 1:**

* Project Description:  Data ingestion from AppDynamics and Zabbix and Bigpanda Application performance monitoring tools metric data into Data lake (March 2020 to till date)
* Team Size: 5
* Technology Used: Apache Hadoop, PySpark, Spark Sql, Apache Hive,

AppDynamics, Zabbix

* Role:
* Build data ingestion pipeline from AppDynamics and zabbix into data lake using python Rest API and pyspark.
* Defining the important metrics, health rule violation and events from appdynamics and ingest this information into data lake to keep a track of historical application performance statistics on server level.
* Normalizing the complex Json response from AppDynamics server and store this information in data lake with pyspark code.
* Developing a generic code to enhance the feature with minimal time and effort.

**Project 2:**

* Project Description:  Migrate pentaho jobs to pyspark.(December 2019 to March 2020)
* Team Size: 4
* Technology Used: Apache Hadoop, PySpark, Spark Sql, Apache Hive.
* Role:
* Migrate pentaho jobs to pyspark application.
* Gather functional requirement from stake holders and creating design documents and involve in creating end to end data pipeline for ingestion process.
* Leverage reusable code to solve complex problems.
* Improve the performance of newly designed code by tuning the memory and spark sql query.
* Build robust pyspark application keeping an eye on restartability and long-term support, maintainance and enhancements.

**Project 3:**

* Project Description:  Creating an automated automobile parts forecast system using Apache Hive and PySpark. (October 2018 to Nov 2019)
* Team Size: 6
* Technology Used: Apache Hadoop, PySpark, Apache Hive, Apache Sqoop.
* Role:
* Converting business requirements to functional specifications.
* Preparing technical design documents.
* In depth understanding/knowledge of Hadoop Architecture and various components as Hdfs, Node manager, Resource manager, name node, Data node and Map Reduce concepts.
* Using the data from different applications like inventory, TOPAS etc., create a forecast data pipeline using PySpark.
* Performing PySpark DataFrame broadcast join for applicable scenarios to handle skewed data.
* Implemented Pyspark and utilizing Spark Core for faster processing of data instead of Map Reduce.

**Project 4:**

* Project Description:

Dealing with pricing systems for Wal-Mart stores and SAM’s clubs for multiple countries such as U.S.A, Canada, Brazil, Japan, India, China, Chile etc. As part of this project around 15 pricing applications (Buyer managed pricing, store unique markdowns, Promotions store specific pricing  ... etc.) are supported and maintained.

The main objective of the project is to maintain the system effectively, so that pricing is reached to stores within time expected without any discrepancy.In addition, changing business needs require changes in existing functionalities of pricing applications.

(December 2017 to October 2018)

* Team Size: 6
* Technology Used: Apache Hadoop, PySpark, Apache Hive, Apache Sqoop.
* Role:
* Converting business requirements to functional specifications.
* Unit testing, Code review.
* Preparing technical design documents.
* Trouble shooting and implementing fixes for defects.
* Developing Minor Enhancements.
* Development, Unit testing & Code Reviews.
* Responsible for scoping the amount of work, prioritizing and taking bottom line for the team deliverables.
* Conduct analysis, suggest/ implement workarounds and ensure that the issues are resolved quickly and progressing technically and on the right track. Add value to the case resolution process with technical/application knowledge and customer handling skills.
* Interface with the customers for issue resolution and ensure customer expectations are met.
* Assist in KT and enablement sessions within the team on both existing applications and new technology. Ensure that the tech/product/application/domain skills are kept updated regularly.
* Conduct Impact Analysis, create Test Specifications as per the high-level design, and create Test Plans IN ORDER TO validate the effectiveness of the fix/support.

**Educational Profile:**

Graduated in 2014 with B.Tech in Information Technology from Gandhi Institute of Engineering and Technology, Gunupur, Odisha with an aggregate of 7.58 CGPA.

**Personal Details**

**Name:** Priyabrata Panigrahy

**Date of Birth:** 20th May, 1992

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**Declaration**

I hereby declare that the information given above is true to the best of my knowledge.

Place: Bangalore

Priyabrata Panigrahy