

Shubham Jain

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Portfolio - <http://jnshubham.github.io>

Work Experience and Notable Highlights

Quantiphi Analytics | Bigdata Engineer | May-19 till date

- Design and Implementation of data lake on AWS using S3, Redshift, Glue and DMS.
- Implementation of document style NOSQL Data Hub on AWS using DynamoDB, Glue, Step functions, Athena, S3, EC2 and Infoworks.
- Expertise in creating ETL pipelines with the help of Apache Spark over Glue and EMR.
- Implementation of DynamoDB Streams to load Elasticsearch indexes for faster search results with the help of AWS Lambda.
- Optimizing Apache Spark jobs by optimizing joins and reducing the data shuffle over the network.
- Optimization of Redshift cluster performance, using optimum dist keys and sort keys and tuning sql queries for maximum performance.
- Optimization of DynamoDB queries by implementing appropriate GSI and choosing the best partition and sort key.
- Implementation of Flask based API to fetch data from dynamodb and serve customer and deploying it on AWS Elastic Container Service using Docker images.
- Worked on creating Docker images for enabling Spark history server, glue local dev endpoints and enabling data lineage for glue jobs and deploying them on ECS.

Tata Consultancy Services | System Engineer | Dec-16 to May-19

- Experience in Data Analytics with Cloudera CDH 5.13 and services include Spark, Python, HDFS, Hive, Impala, Flume, Sqoop and Oozie.
- Design and implementation of python based framework to import data from various relational databases(Teradata, Oracle, SQL Server, DB2) to hadoop HDFS using Sqoop, hive and Oozie.
- Implementing spark jdbc based data ingestion framework from Informix database.
- Developed spark based application to parse complex xml data received as file.
- Developed spark based reconciliation processes to maintain the data integrity in hadoop.
- Implementation of Sqoop export framework for exporting the data from hadoop to Teradata.
- Excellent understanding of Hadoop Architecture and underlying Hadoop framework including Storage Management
- Analyzed and processed complex data sets(structured and semi-structured) using advanced querying and analytics tools

Achievements

- Amongst Top 5% Pyspark and Apache Spark contributor on [stackoverflow](https://stackoverflow.com) with a reputation of 3k+.
- Published well received technical blogs on [Medium](https://medium.com).

Qualification

- **Bachelor Of Engineering** in Computer Science with CGPA of 8.10.

Tech Stack

Cloud	: AWS (S3, EC2, Glue, EMR, Lambda, ECR, ECS, Redshift, DynamoDB, Step function), Azure (Blob storage, Datafactory, Databricks), GCP (GCS, Dataproc, Bigquery, Airflow)
Programming Language	: Python (Preferred), Shell scripting, Java
Hadoop Stack	: Apache Spark, Hive, Impala, Presto, Oozie, HDFS, Spline(Spark Lineage)
Devops tools	: Git, Bitbucket, AWS Codecommit, AWS codebuild, Docker
Operating System	: Linux (preferred), windows
Databases	: RDBMS (mysql, postgres), NOSQL (DynamoDB, Elasticsearch)
IDE	: VS Code, Jupyter Notebook and spyder

Personal Dossier

Languages known : English & Hindi

Date of Birth : 3rd July 1994

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Github : <http://www.github.com/jnshubham>