

DEBABRATA BHOWMIK

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TECHNICAL SKILLS

Software & Programming Skill :

Programming Language : Core Java

Big Data : Hadoop Map reduce and File system,Hive,Spark

Platforms : Linux,Microsoft Windows

EXPERIENCE

Zaloni Technologies , Senior Software Engineer August 2017 to Present

Worked on numerous Big data related projects with various technology stack starting from Hadoop Map Reduce to Spark.

Data Cleansing for a Health Group , Nov 2017 - April 2018 , Developer

- The goal behind Payment Integrity project is data cleansing of providers who belong to health care domain services.
- I worked on development of CAQH 2.0 which was data lake hydration with Provider data. We made sure that data we receive is accurate.In this module I was suppose to develop an hydration pipeline in which data was fetch using Rest API call to the data lake.
- I was also trusted with the task of Process Monitor and handling Client at early stages of my engagement.
- Technologies Used: Hive,Scala,Shell Scripting

Data Lake Hydration for a Luxury Brand Group , April 2018 - April 2019 , Developer

- This was a data lake hydration project along with KPI(Key Performance Identifier) generation using data coming from various CRM Systems of stores belonging to the Group.
- I worked on designing and implementation of Hydration pipelines for Customer,Transaction,Campaign and Organization Hierarchy data.
- I was engaged in creating data model and training for De-Duplication of Customer Data and implementation of Customer360 calculation using Spark. And also worked on the design and implementation Audit report Generator module and Rest APIs.
- Technologies Used: Java Spring Boot,Hive,Spark,Scala,Shell Scripting

POC for a Amusement Group , Dec 2018 - Feb 2019 , Developer

- In this POC we were suppose to demonstrate the capability of ZDP to the client and implement their Daily Revenue Recognition use case. The goal was to take the transaction data and generate daily revenue data for that customer.
- I designed the Data lake hydration pipeline and implemented the calculation of Daily Revenue using hive and spark.
- Technologies Used: Hive,Spark,Scala

POC for a Insurance Group , Jan 2019 -Jan 2019 , Developer

- This was a DME related POC for the client in which the Use case was to group data coming from two different data sources (Open data and CRM). After that a second request came from the client, which was to get a confidence score for the grouped CRM and Open data Data. This was challenging, but we were able to achieve the as well.
- I worked on creating data model and training. And designed and implemented the confidence score generator.
- Technologies Used: Hive

Internal Bootstrap Tool , May 2019 - May 2019 , Developer

- Bootstrap is a tool used to register Zaloni Datalake Platform Artifacts in bulk.The goal of this engagement was to make Bootstrap compatible to new version of ZDP i.e 5.0.2 and add new features to it .
- I was involved in testing the compatibility and making required changes to the existing code which was Phase 1. In Phase 2, I was involved implementation of the additional features.
- Technologies Used: Java,Shell Scripting

Data Lake Hydration for a Insurance Group , June 2019 - October 2019, Developer

- This was a data lake hydration project. The user would ingest the data to the data lake and create a entity on top of that data which was a self service ingestion and Masking of PII Data (Person Identification Identifier).
- I was engaged in designing the Self Service Ingestion,MSK Correlator. And also implemented the PII Matching Flow end to end.
- Technologies Used: Java,Hive,Shell Scripting

CI/CD Pipeline for a Bank , November 2019 - Jan 2020, Developer

- This was project in which we were suppose to create a CI/CD pipeline for ZDP artifacts.
- I was engaged in implementation of the Check-In of the Artifacts into git and Repackaging of the said artifacts.
- Technologies Used: Java,Shell Scripting

Data Standardization for a Tech Group , Jan 2020 - April 2020, Developer

- The use case of this project was to Standardized incoming Json data using a rule engine with Ability to correct/manipulate attributes in data using simple rules and support nested

structure. After the standardized data needed to be written to Redis and send notification to Kafka.

- I was engaged in implementation and testing of the framework along with standardization of data and writing the data to Redis using a custom data source api.
- Technologies Used: Java,Python,Spark,Scala,Redis,Shell Scripting

CMR Creation for a Airways Company , April 2020 - Present, Developer

- The use case of this project was to Standardized incoming data. Then apply deduplication rule on the same and generate confidence score on the master records to determine the viability of the customer data.
- I was engaged in implementation standardization rules and creation of the Confidence score module.
- Technologies Used: Java,Python,Spark,Scala,Hive,Shell Scripting

CERTIFICATES

IIT Bombay, SUMMER INTERNSHIP PROGRAM
May 2016 to July 2016

HPES Kolkata, SUMMER TRAINING PROGRAM
May 2015 to June 2015

EDUCATION

Matriculation: Kendriya Vidyalaya No.1 **2011**
Tezpur, Assam
Passed 10th with 91.2% from CBSE

Senior Secondary: Kendriya Vidyalaya No.1 **2013**
Tezpur, Assam
Passed 12th with 89.6% from CBSE

Bachelor of Technology: Assam University **2013-2017**
Silchar, Assam
4 year programme in Information Technology. Passed with 7.75 CGPA

INTERESTS

- Big Data Solutions
- Data Engineering
- Research and Development

