**Souradip Nandi**

Email: [souradipnandi2014@gmail.com](mailto:souradipnandi2014@gmail.com)

Contact No:+919952968590

Bigdata Professional with 5.11+ years ofexperience

## HIGHLIGHTS

* **PrimarySkills:**
  + Big Data Ecosystem:Spark 2.4.7,Hive,Hadoop 2.6.0, HDFS, Sqoop 1.4.6
  + Language: Scala 2.11.12, Python, Unix Shell Script
  + ETL Tool: Ab-Initio3.2.4
  + Databases: Hive, SQL, Teradata 13,Oracle, Hbase
  + Software: Cloudera, Eclipse, PyCharm, Jenkins, Jira
  + Operating System : UNIX,Windows
  + Scheduling Tool: Control-M ,Crontab
  + Cloud service: Basic AWS EMR,RDS,S3

## Domains:

* + Banking and Financial Services (BFS) and TelecomServices.

## SUMMARY

* Strong hand on experience on Spark RDD, Spark DataFream,Spark SQL,Scala and HadoopEcosystem.
* Strong hand on experience on Hive Query ,Partition and Bucketing . .
* Sound Experience on Sqoop Import and Export.
* Worked on optimization of Sqoop,Hive and Spark job for better performance andefficiency.
* Performing time estimation of tasks and preparing a well defined plan to achieve estimations.
* Good exposure on Unix and Shell Scripts
* Good exposure on Parquet, ORC ,Json, Avro, XML files.
* Sound Experience on AbinitioGDE- Batch process and Continuous flow, EME, Conduct>IT – Creation of Plans, Express>IT –source feed configuration and basic Template, Query>IT, Metadata HUB– source feedconfiguration.
* Sound Experience in advance Abinitio concepts like ICFF, PDL, Meta programing, GenericGraph.
* Good exposure in high volume data Partition, Departition, Parallelismconcept.
* Well-versed with SQL server, Teradata,Hive, Oracle database andDB2.
* Worked on Control-M Scheduler and Abinitio Control Center for jobscheduling.

## EDUCATIONAL QUALIFICATION

* Bachelor of Engineering (Electronics and Communication), B. P. Poddar Institute of Management & Technology,Kolkata

## PROJECT EXPERIENCE

**HoonarTekwurksConsulting May’18 to tilldate**

**Designation**: Consultant

**Project**: Revenue Assurance(RA)

**Client**: Bharti Airtel (onsite)

**Domain**: Telecom Services

**Environment**: Spark, Scala, Hive, Hadoop, Unix, Oracle, Web API.

## Role: Senior Developer

Mar’20 to till date

**Description**: Airtel is one of biggest telecom company in India. This project is part of the airtel revenue generation. Base on data analysis airtel will provided different offer for different customer.Selected customer data user will update in Web URL and all customer data are present in Hive. Every day we need to read data from Web API it is complex json and reading data from Hive based on that we are providing those promo to particular customer.After processing data will store into Hive table as parquet format. We are retrieving data through Hive and Spark as per user requirement.

## Responsibilities:

## Gathering requirement from business users.

## Prepared High level and Technical design document.

## Design, Architect and Develop ETL data pipelines form source to target.

## Read complex Json source file from landing directory and flatten it and created Datafream.

## Analyze source data and doing transformation based on user requirement and loading into Hive table.

## Analyze data based on that creating Partition and Bucketing on top of Hive Table.

## Retrieving data using Hive and Spark SQL based on User requirement.

## Working on performance tuning of Spark job and Hive process.

* Optimizing spark jobs on Hadoop Cluster performance by tweaking with various parameters due to changing workload.

## Creation Spark Job using Shell Script.

* Prepared Implementation plan for job migration in Production.
* Proper end-to-end handling of the product and client interaction.

**Project**: Calland Subscriber Details Record(CDR and SDR)

**Client**: Bharti Airtel (onsite)

**Domain**: Telecom Services

**Environment**: Spark, Scala, Hive, Hadoop, Unix, Oracle.

## Role: Senior Developer

Dec’18 to Feb’20

**Description**: CDWH is a Compliance Data warehouse this project involved CDR and SDR details records.All postpaid customer details information and all call details are storing into hive table. CDR we are receiving as a parquet file and SDR data we are getting into from RDBMS. Both data we are doing transformation based on user requirement and loading into Hive table. We are retrieving data through Hive and Spark as per user requirement.

## Responsibilities:

## Gathering requirement from business users.

## Creating High level design document and Technical design document.

## Analyze source data and doing transformation based on user requirement and loading into Hive table.

* Creating efficient Spark batch jobs to process data through different layers like landing, staging, semantic etc.

## Hive Manage and External table Creation.

## Analyze data based on that creating Partition and Bucketing on top of Hive Table.

## Retrieving data using Hive and Spark SQL based on User requirement.

## Creation Spark Job using Shell Script.

* Prepared Implementation plan for job migration in production.

**Project**: Central Data Warehousing History Data Migration

**Client**: Bharti Airtel (onsite)

**Domain**: Telecom Services

**Environment**: Sqoop, Hadoop, Hive, Spark,Unix,Oracle, Mysql, DB2.

## Role: Senior Developer

Aug ’18 to till date

**Description**: CDWH is a Compliance Data warehouse this project involved CDR, DTH, Broadband 3G, 4G Internet related existing data in Oracle, DB2, Mysql is migrating into Hive using Sqoop Import and Spark.We are retrieving data through Hive and Spark as per user requirement.

## Responsibilities:

## Extracted History data from Mysql,Oracle,DB2 tables and Loading into Hive Table using Sqoop Import.

## Hive Manage and External table Creation.

## Analyze data based on that creating Partition and Bucketing on top of Hive Table.

## Retrieving data using Hive and Spark based on User requirement.

## Creation Sqoop Job and Spark Job using Shell Script.

## Working on Sqoop and Hive Process Optimization.

**Project**: Central Data Warehousing Customer Prepaid Call Details Record

**Client**: Bharti Airtel (onsite)

**Domain**: Telecom Services

**Environment**: Ab-Initio 3.2.4, Hadoop,Hive,Oracle, Teradata 13, DB2.

## Role: Senior Developer

June’18 to Nov ‘18

**Description**: CDWH is a Compliance Data warehouse this project involved Customer CallDetails Records,3G,4G related current data loading into ICFF and Hive using Ab-Initio Graphs. We are retrieving data through Query>IT and Python portal as per nodal officer requirement.

## Responsibilities:

* Interaction with business users, gathering the business requirement and built CDWH fromscratch.
* Extracted history data from Oracle Exadata, DB2, Teradata and loaded in ICFF filesystem.
* Worked on configuration of live feeds in CI framework using Express>IT and Abinitio Graph loaded in ICFF andHive.
* Created Query>IT views and subgraphs for querying ICFFdata.
* Working with high volume data processing, performance tuning and designing optimize graph (using PDL and Meta Programingconcept).
* Working with admin to setup new machines, data clusters, installing oracle,db2.
* Making TNS entry, making change in Abinitio .profile file and created DBC file setup for DB connectivity with Abinitio.
* Resolving Issue in real time with production supportteam.

# CognizantTechnologySolutions Feb’15 – May’18 Designation: Associate

**Project**: OLM

**Client**: JP Morgan & Chase

**Domain**: Banking and Financial Services

**Environment**: Ab-Initio 3.2.4, Informatica 9.6, Hadoop,Hive,Teradata 13

## Role: Ab-Initio Developer

Mar’17 – May’18

**Description**: This project involves the Online and Mobile banking transaction related existing Informatica code and data in Teradata is migrating to Ab-Initio Graphs and data in Hadoop HDFS FileSystem.

## Responsibilities:

* Prepared source to target mapping sheet from Informaticacode.
* Validated STT validate with existing query inProd
* Prepared of High level design document and Technical designdocument.
* Developed Ab-Initio Graphs to load data into HadoopDatabase.
* Examining the Requirements provided by the Clients and preparing Unit Testing Document, System Integration Testing and execution of testcases.
* Ensured proper peer reviews and initiated the process to maintain code review trackers/check lists for each and everymigration.
* Worked Control-M scheduler for jobscheduling.
* Prepared Implementation plan, DMIO document and Run book for UAT and Productionmigration
* Responsible for onsite-offshore delivery hand shake and daily onsite statuscalls.

**Client**: JP Morgan & Chase

**Domain**: Banking and Financial Services

**Environment**: Oracle **PL/SQL Role**: Oracle Developer Nov’16 to Feb’17

**Description**: This project is all about to remediate MIS Reports to be impacted due to the VLS decommission. JIRA request was to be raised by customer for each impacted report and assign for migration activities. We analyzed the requirements of each JIRA and identify the problematic fields referenced from VLS and find the corresponding mapping fields from MSP to replace the VLS fields. Also add the additional fields in the existing reports as per the new requirements raised by Customer.

## Responsibilities:

* Understanding and Analysis of JIRA provided byCustomer
* Created the mapping document between VLS system and MSP loansystem
* Correction of existing SQL objects (SQL File and PLSQL Procedures) by replacing the new fields as per requirements
* Developed report as per business requirement; reports were delivered on time with highquality
* Tested all reports in UAT and Prod environment and checked converted VLS loans are flowing in MSP Tables
* Shared technical knowledge with team for quick delivery and better qualityreports.

**Client**: JP Morgan & Chase

**Domain**: Banking and Financial **Services Environment:** Ab-Initio, Teradata,HadoopRole: Abintio Developer

May’15 to Sep’16

**Description**: This project involves the conversion of VLS (Vendor Loan Service) Source System attributes to MSP (Mortgage Service Provider) system attributes. This is achieved by migrating the existing Informatica code to Abinitio Graphs and data in Hadoop HDFS File System.

## Responsibilities:

* Actively participated in the preparation of Technical designdocument
* Developed Ab-Initio Graphs to load data into HadoopDatabase
* Examined the Requirements provided by the clients and prepared Unit Testing Document, System Integration Testing and execution of testcases
* Ensured proper peer reviews and initiated the process to maintain code review trackers/ checklists for each and everymigration
* Worked Control-M Scheduler for jobscheduling
* Responsible for onsite- offshore delivery hand shake and daily onsite statuscalls.

## PERSONAL DETAILS

DOB: Dec’15, 1991

Pan Card No: AWNPN4136B

Nationality: Indian

Gender: Male

Permanent Address: Vill- Kurchigoria, P.O-Kaiti, Dist- Burdwan, Pin-713423, West Bengal.