

NARENDER KUMAR

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SUMMARY

- 9.6 years of experience in the IT industry with 5 years in Azure cloud services and Big data ecosystem
- Having healthcare and retail domain knowledge
- Hands-on experience on Azure Data Factory, Azure Databricks, and PySpark for data ingestion and transformation
- Experience in designing data pipelines and ETL processes.
- Experience in designing medallion data lake architecture
- Hands-on experience in data warehouses including Azure Synapse and Snowflake
- Experience in creating high-level and low-level design documents.
- Experience in team handling and managing deliverables.

SKILLS

- **Azure Cloud** – Azure Data Factory, Azure Databricks, Azure Synapse, Azure Data Lake, Azure Logic Apps, Azure Functions, Azure Event Hubs, Azure Stream Analytics
- **Spark** – PySpark coding, Spark SQL, Delta Lake, basics of Spark Streaming
- **Programming** – Python, PySpark, Java, Shell Scripting, Basics of Scala
- **Data Warehouse** – Azure Synapse, Snowflake

ORGANIZATION EXPERIENCE

- Abzooba India Infotech Pvt Ltd – Sep 2018 onwards (4.6 years)
- Tata Consultancy Services Pvt Ltd - Oct 2013 to Sep 2018 (5 years)

CERTIFICATIONS

- Databricks Certified: Associate Developer for Apache Spark
- Databricks Certified: Data Engineer Professional
- Microsoft Certified: Azure Data Engineer Associate
- Microsoft Certified: Azure Solutions Architect Expert

PROJECTS

MAR 2022 – TODAY

SYNAPSE DATA WAREHOUSE DESIGN AND IMPLEMENTATION

BIG DATA ARCHITECT, ABZOOBA INDIA INFOTECH PVT LTD

The client is a US healthcare giant. We have designed and developed the data lake in ADLS with standard bronze, silver, gold, and platinum layers. We had to ingest data from multiple sources using Azure Data Factory and transform the data as per business requirement using Synapse PySpark Notebooks and insert it into delta tables.

Job Responsibilities:

- Design Datalake architecture and guide development team towards its implementation
- Prepare High Level and Low Level Design Documents
- Design and Develop Azure Data Factory Re-usable pipelines.
- Develop Synapse PySpark notebooks to transform the data and ingest it into delta lake
- Performance optimization of PySpark Notebooks
- Provide solutions to technical challenges during the development.
- Manage offshore team and guide them technically for any challenges.

JUN 2021 – FEB 2022

DATA LAKE LIFT AND SHIFT - AUTOMATION

BIG DATA LEAD DEVELOPER, ABZOOBA INDIA INFOTECH PVT LTD

Designed and developed an automation framework to detect the table data change from Snowflake and insert it into the Azure Datalake automatically. Also, it kept the source data and target data in sync.

Job Responsibilities:

- Designed the automation framework
- Developed Reusable Databricks PySpark Notebook
- Developed Azure Data Factory Pipeline to detect new data in Snowflake and ingest it into the Data Lake
- Developed Azure Logic Apps workflow to automate and manage the Azure Data Factory Pipelines
- Developed Azure Function Code to automatically generate the JSON files needed for the ETL Framework
- Manage offshore team and guide them technically for any challenges

JAN 2021 – MAY 2021

DATA LAKE LIFT AND SHIFT - DISCOVERY

BIG DATA LEAD DEVELOPER, ABZOOBA INDIA INFOTECH PVT LTD

Explored the existing data migration pipelines developed using Azure Data Factory and Databricks, identified similar data flow patterns, and created data flow diagrams.

Job Responsibilities:

- Explored the existing Azure Data Factory Pipelines and Databricks PySpark Notebooks to understand the data flow
- Created data flow diagram after grouping similar ingestion methods
- Presented the data flow diagrams to the client and explain the same
- Discussed shortcomings to the overall dataflow and suggested enhancements in the same.

JUN 2020 – DEC 2020

CAPEX – REAL-TIME STREAMING ANALYTICS

BIG DATA LEAD DEVELOPER, ABZOOBA INDIA INFOTECH PVT LTD

Designed the best solution for the client for real-time data analytics. We created multiple success criteria and performed POCs on Azure Stream Analytics, Spark Structured Streaming, and Confluent Kafka.

Job Responsibilities:

- Created success criteria to compare streaming tools
- Explored the technical capabilities of Azure Stream Analytics, Spark Structured Streaming, and Confluent Kafka
- Performed POCs on Azure Stream Analytics, Spark Structured Streaming, and Confluent Kafka
- Presented the comparison to the client and guided them about these tool's selection criteria.

JAN 2019 – MAY 2020

DATA INTELLIGENCE MANAGEMENT ANALYSIS

BIG DATA DEVELOPER, ABZOOBA INDIA INFOTECH PVT LTD

Ingested data from various sources like SQL server and SFTP to data lake using Infoworks tool. Performed transformations using Databricks PySpark notebook. Created views over the data to be used by the UI team to download data. Exported data to be indexed to Azure SQL server and created indexes in Azure Search service.

Job Responsibilities:

- Ingested data from various sources into Azure Data Lake using the Inforwork tool
- Performed transformations using Databricks PySpark Notebooks
- Exported data to be indexed to Azure SQL server and created indexes in Azure Search service

JAN 2019 – DEC 2019

CORPAUDITS

BIG DATA DEVELOPER, ABZOOBA INDIA INFOTECH PVT LTD

Ingested audit data from SFTP in CSV format to Azure data lake and transformed existing Oracle SQL server queries to Hive queries. Created new hive views to be consumed by the business team.

Job Responsibilities:

- Data was ingested from SFTP to Azure Data Lake using Sqoop
- Created Hive views over this data

- Developed hive queries to transform CSV data into ORC format
- Converted source Oracle SQL business queries into hive queries

JAN 2017 – DEC 2018

MULTIPLE PROJECTS ON SPARK AND HIVE

BIG DATA DEVELOPER, TATA CONSULTANCY SERVICES

Worked on multiple projects which included ingestion using sqoop and transformations using Spark and Hive.

OCT 2013 – DEC 2016

MULTIPLE PROJECTS ON ANDROID AND CAR INFOTAINMENT SYSTEMS

BIG DATA DEVELOPER, TATA CONSULTANCY SERVICES

Worked on multiple projects which included the development of Android apps for car infotainment systems. Also worked on C++ middleware code testing.

EDUCATION

2013

B.TECH, DEENBANCHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY, MURTHAL

Completed BT.TECH in Electronics and communication stream with honors and CGPA of 7.9

2011

SR. SEC., BHARTI SCHOOL, FATEHABAD

It's okay to brag about your GPA, awards, and honors. Feel free to summarize your coursework too.

PERSONAL DETAILS

Address: Fatehabad, Haryana

Date of Birth: 15 Oct 1991

Hobbies: Cycling, running, playing badminton.