



NAGA RAJU

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PROFESSIONAL SUMMARY:

Having 10+ years of professional software development experience in the areas of Business Intelligence primarily using **Azure Synapse Analytics, Azure Databricks, PySpark, Azure Data Factory, Power BI, SQL Server Integration Services (SSIS), Microsoft SQL Server** and in web development. Possess strong technical and analytical skills with an eye for detail.

- Expertise in designing data intensive applications using **Big Data Analytical, Cloud Data Engineering, Data Warehousing and Data Visualization**
- Expertise in creating data pipelines and complex data transformation rules by using **Azure Synapse Analytics, Azure Databricks, PySpark, Azure Data Factory** and **SQL Server Integration Services (SSIS)**
- Expert on Azure cloud services like **Azure Databricks, Azure Synapse serverless SQL pools, dedicated SQL pools, Spark pools, Azure Data Factory, Data flows, Azure Blob, Azure Data Lake Gen2, Azure Synapse Analytics (Azure Data Warehouse), Azure Functions, Azure Logic Apps, Azure SQL, EventHub, PolyBase** and other azure services.
- Strong knowledge in **Spark Ecosystems** such as Spark core, Spark SQL, Spark Streaming libraries
- Expert in implementing data transformations, aggregations, and complex operations using **Spark SQL**
- Expert in writing **complicated SQL Queries** using **CTE, Stored Procedures, Views, Triggers** and database analysis for good performance.
- Experienced in fact dimensional modeling (**Star schema, Snowflake schema**), transactional modeling and **SCD (Slowly Changing Dimensions)**
- Strong Working knowledge on different data formats such as **SQL, NOSQL, JSON, Parquet, ORC, CSV** etc and different types of data **like structured, semi-structured and unstructured data**.
- Good knowledge on writing **Serverless Azure Functions** using **Python** and developed workflows using **Azure Logic Apps**
- Knowledge on **Apache Kafka** for stream processing, **Apache Airflow** for workflow management
- Experienced with JSON based **RESTful** web services, and XML/QML based **SOAP** web services.
- Expert in creating precise and beautiful visualization using appropriate chart types, slicers, filters, drill-down and bookmarks using **Power BI** and **DAX**
- Good knowledge on programming languages like **Python, PHP, JavaScript** and **Shell Scripting**
- Implemented **proof of concept (PoC)** using Amazon Web Services (AWS) Cloud services like **S3, EC2, Lambda, Athena, Glue, Athena, CloudFormation** and **CloudWatch**.
- Extensively used **Service-now** for bug tracking, **Git, Azure DevOps** for version controlling and CI/CD
- Well acquainted with Software Development Life Cycle (SDLC) Process, **Agile Methodology**, highly involved in daily scrum meetings, sprint review meetings and retrospective meetings.

TECHNICAL SKILLS:

Cloud Services	Azure Services: Azure Databricks, Azure Data Factory, Azure Synapse Analytics, Azure Data Lake (ADLS), Blob Storage, Key Vault, Azure SQL Server, Azure functions, Azure Logic Apps AWS Services: AWS S3, AWS Lambda, CloudFormation, AWS IAM, CloudWatch, AWS StepFunctions, AWS Athena, AWS Glue, AWS KMS(Vault), AWS CDK
ETL Tools	Azure Data Factory, Azure Databricks, PySpark, SSIS, AWS Glue
Programming Languages	Python, PySpark, PHP, Shell Scripting
Visualization Tool	Power BI
Databases	SQL Server, MySQL, MariaDB, DynamoDB, CosmosDB, PostgreSQL
Web Technologies	HTML, CSS, JavaScript, ES6, Python, PHP
Ticketing Tools	Service-Now, Jira
Version Control Tools	Sourcetree, GIT, BitBucket, TortoiseGit
CI/CD Tools	Jenkins, Azure DevOps
Methodologies	Agile Scrum, V-model

PROFESSIONAL EXPERIENCE:

Client: Principal Global Services

January 2021 to May 2023

Role: Sr. Data Engineer

Responsibilities:

- Extracted, transformed and loaded (ETL) data from multiple source systems to Azure Data Storage services using a combination of **Azure Data factory, Databricks, PySpark, Azure Synapse Analytics**
- Used Spark Dataframe operations to perform required validations and transformations on the data
- Created Generic pipelines to move different types of data from multiple sources to ADLS.
- Developed Azure Databricks notebooks to apply the business transformations and perform data cleansing operations using PySpark and Spark SQL
- Created Azure Data Factory pipelines to pull data from source systems as a full or Incremental load based on frequency at which the data arrives into the corresponding folders.
- Orchestrated data integration pipelines in ADF using various activities like Get Metadata, Lookup, Set Variable, Filter, until, IF Condition, For Each, Web, Execute Pipeline and other activities
- Implemented transformations and aggregations using PySpark in Databricks
- Worked on data completeness, data transformation and data quality for various data feeds coming from source
- Used **Azure Logic Apps** to develop workflows which can send alerts/notifications on different jobs
- Copied the files from azure to **AWS S3** bucket by using **Python (Boto3)** and **Azure Functions**.

Client: Ingredion

July 2020 to December 2020

Role: Data Engineer

Responsibilities:

- Extract, Transform and Load data from sources systems to Azure Data Storage services using **Azure Data Factory** and processed the data using **Azure Databricks** and **PySpark**
- Created pipelines, data flows and complex data transformations and manipulations using **ADF**
- Implementation of data movements from multiple sources to azure cloud environment
- Used Spark dataframe operations to perform required validations and transformations on the data
- Orchestrated data integration pipelines in ADF using various activities like Get Metadata, Lookup, Set Variable, Filter, until, IF Condition, For Each, Web, Execute Pipeline and other activities
- Created generic pipelines to move different types of data from On-Premises to Azure
- Used **Azure Key Vaults (AKV)** to for storing and safeguarding encryption keys and secrets
- Used **Analysis Service (AAS)** tabular model for data analytics
- Created reports and dashboards by using visualization tool **Power BI and DAX** expressions
- Extensively used visuals like Filters, Slicers, Matrix, Table, Card and Bar Charts
- Used **Git** for source control and Azure DevOps for CI/CD pipelines for automatic deployments

Client: AXA Assistance

October 2017 to January 2020

Role: Data Engineer

Responsibilities:

- Used **ADF** to move data from different sources to azure Data Lake storage (ADLS).
- Created generic pipelines to move different types of data from On Premises source to Azure
- Used **Stored Procedures** in pipelines for data transformations
- Created **Azure key vaults** and secret keys to secure our Linked services.
- Used **Azure Logic Apps** to send email notifications for job status
- Created reports and dashboards by using **Power BI and DAX Expressions**
- Implemented row level security by restricting the users for the data access
- Resolved incidents and developed new change requests within the SLA by using ServiceNow

Client: Voyzze Communications Inc

May 2012 to October 2017

Role: PHP Developer

Responsibilities:

- Developed and maintenance of websites using **PHP, CodeIgniter and MySQL**
- Designed and created database tables and written SQL queries
- Designed web pages using HTML, CSS, JavaScript and jQuery
- Written the code as per requirements, testing the application and fixing the bugs and maintenance
- Used web services to validate 911 address and Cyber source API for payments
- Maintained a group of websites and adding new enhancements