

Lokesh Kumar Mittal



Consultant Sr Engineer II (ETL, Data warehousing, Big Data, AWS & Azure Cloud Specialist, SQL, Apache Spark, Databricks, Python Pandas, Microsoft Fabric)

AWS Associate Solution Architect Certified, Databricks Spark Developer Associate Certified, Snowflake SnowPro Certified

🏠 : Abu Dhabi , UAE (Resident Visa)

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Career Objective

To gain a position in a fast-paced technology company with varied responsibilities and the potential for advancement, and apply my resources, experiences and skills for the uplift of organization. To be an element of the company having international reputation and which can offer a fantastic career, multidimensional growth opportunity with exciting working environment.

Professional Summary

- **10.5 years of** experience in IT industry and end-to-end management of data that includes Strategy, Transformation, Design & Implementation for businesses across US and UK.
- Currently in a role of **Senior Data Engineer** with the **G42**.
- 8.3 years of experience with the Fidelity International Limited.
- Good knowledge of financial instruments like stocks, derivative, mutual funds.
- Hands on experience on **Azure Data Factory (ADF), Azure Synapse Analytics, Azure SQL**.
- **Have attend trainings & done RFP on Microsoft Fabric (One Lake, Data Activator, Synapse Data warehouse, Data Factory, Synapse Real Time Analytics, Synapse Data Engineering, Power BI).**
- Experience in building data pipelines using Azure Data Factory, Azure Databricks, and loading data to **Azure Data Lake, Azure SQL Database, Azure SQL Datawarehouse (Synapse Analytics)**.
- In depth knowledge of Informatica 9.x Power Center, Unix / Windows, SQL and Data warehousing.
- Strong understanding of ETL, data structures and data flow. Experience with different data sources Oracle, SQL server, Flat files etc.

- Strong understanding of Spark SQL, Dataframes, Datasets, RDD using both Spark and Scala.
- Excellent knowledge of Software life cycle – Business/Requirement Analysis, Design, Development, Testing.
- Expertise in designing and developing High Availability solutions.
- Working/delivering Projects with Agile ways of working.
- Experienced in setting up complete continuous integration environments which include automated build, regression suites, Rollbacks etc.
- Expertise in automation of various operational processes.
- Expertise in data ingestion, processing/analyzing and retrieval tasks
- Development of ETL solutions using Informatica including complex Mapping, Transformations, Sessions and Workflows for Data transfers between Multiple system sources like Files, Databases etc.
- Did migration of big data platform on AWS Cloud using Spark, Python, shell scripting and AWS Services like Glue, Redshift, S3, EMR.
- Open to learn/adapt new technological advancements and frameworks.

Tools and Technologies

- Programming: Unix Shell Scripting, Python, SQL.
- SQL Tools: SQL Developer.
- ETL Tools: Informatica, Glue.
- Relational Databases: Oracle 12c
- Cloud: Snowflake, S3, Databricks, Redshift, ADLS, Azure Data factory, AWS EMR, Lambda, SNS, SQS, Azure Data Services, Azure Datawarehouses, Azure Data Factory, Azure Machine Learning, Microsoft Fabric.
- Big data stack: Hadoop, Hive, Impala, Sqoop, Spark, Databricks
- Others: Jira, Confluence, Control-M.
- BI Tools – PowerBI, Tableau

Experience Details

- G42, UAE [2023 – till date]
- National Australia Bank, Gurgaon [2023]
- Accenture Applied Intelligence, Gurgaon [2021 – 2023]
- Fidelity Worldwide Investments, Gurgaon [2013 - 2021]

Project Details

- Fidelity International Limited:
 - **Finance Domain (Investment Banking)-**
 1. Performance Hub and FRD (Fund Reporting database) - Mutual Fund Performance Calculations and Reporting Data warehouse as part of enterprise hub solutions. The System **Uses Eagle Star and Pace Engine to calculated Performance Figures Like ROR, Standard Period Returns**
 2. **Octopus -Task Orchestration and ETL tool-** Build an in-house tool as part of replacement of Informatica in order to save the cost of Informatica. Myself alone build the entire tool for ETL

processing and also providing the task orchestration feature. The tool was build **using python - pandas framework and Oracle/PLSQL. Similar to Airflow, Luigi.**

3. CDW and Application Layer - As part of platform simplification strategy, I have extensively worked on building the common data warehouse and application layer for reporting performance and attribution data. The technology stack that was used during the project tenure: **Python, Unix, Oracle PL/SQL, Control-M.**
 4. Building Data Quality Layer using Machine Learning Algorithms and python.
- Accenture Applied Intelligence:
 - NextEra Energy
On Premise to AWS Cloud Migration – Cloud migration is required from existing on-premise big data platform: **Shell Scripting, Python, AWS EMR, Hadoop, Hive, AWS Glue, Apache Spark, Spark SQL, RDD's, Hadoop, Sqoop, Map Reduce.**
 - International Paper
Azure Platform –Required to build data platform for machine learning and predicting the right usage of pulp and raw materials, additionally predicting the right model for shipment to avoid heavy plenty at ad hoc requests.
Created Pipelines in ADF using Linked Services/Datasets/Pipeline/ to Extract, Transform and load data from different sources like Azure SQL, Blob storage, Azure SQL Data warehouse, write-back tool and backwards.
Shell Scripting, Python, Azure SQL Database, Azure Data Factory, Azure ML, Python, Azure Databricks, Power BI.
 - National Australia Bank -

Data Engineering [Mar 2023 – July 2023] - Building a Databricks cloud optimized solution for providing enterprise data solution via implementing data management Strategy. **Shell Scripting, Python, Databricks.**
 - G42 (UAE) -

Data Engineering – Data engineering solution designing in Big data ecosystem & product development for global businesses while delivering tangible business results reflecting multiple data auditability, controls in data management lifecycle.

Onsite Travel

- On-site visits to Fidelity office in **United Kingdom** for Project related issues

Experience Details

Roles and Responsibilities:

- Working closely with business key stakeholders to understand the requirements.

- Analysis of requirements received from business stakeholders.
- Interacting with architecture, design and development teams to solution the complete software architecture.
- Creation of Technical Solution Design Documents, Component Design documents.
- Working with developers to deliver multiple sprints of project.
- Providing Innovative solutions for handling complex problems during different phases of SDLC.
- Working on data processing, ingestion and retrievals using technologies like Python, Oracle and Informatica.
- Optimizing software codes by implementing various performance improvements techniques.
- Performing complex analysis on Data using SQLs.
- Creating database designs and Development of Database solutions in Oracle (9i, 10g, 11g, 12c) using PLSQL Packages, Complex SQL Queries, Triggers, Functions, Procedures, Performance Tuning, DBMS Schedulers, Explain Plans, TKPROF, AWR Reports, Optimizer hints, Global Temporary Tables, Materialized views.
- **Development of ETL solutions using Informatica including complex Mapping, Transformations, Sessions and Workflows for Data transfers between Multiple system sources like Files, Databases etc.**
- Setting up Continuous Integration environment for supporting the continuous development tasks, automating the build preparations with tools like Bit bucket, bamboo, urban deploy, In-house Regressions suites.
- Python and Unix Shell Scripting for developing multiple solutions.
- Designing/Scheduling of Batch jobs using 3rd party tools like Control M.
- Automation of manual processes by providing seamless software solutions.

Educational Background

2012	B.Tech. (Computer Science) from Guru Gobind Singh Indraprastha University, New Delhi
2008	Intermediate, S.D Public School Patel Nagar, Delhi/CBSE Board
2006	Matriculation, S.D Public School Patel Nagar, Delhi/CBSE Board

Professional Training and Awards

- Awarded as Karate Code Champion for solving complex problem using python in NAB.
- Awarded Director's award for automating the manual process of business day to day task.
- Honored by achieving Code-a-thon **Award** Nov 2015 for **1st runner up in presenting big data solution** at Fidelity Investments.

- Achieved Technology Champion award for setting up the process of CI/CD process in Performance hub platform and implementation of VDI.
- Attended Agile (Scrum based) training conducted by Fidelity.
- Attended Various Finance Domain training conducted by Fidelity.
- Level 1 Certified in Informatica Training Exam conducted by Fidelity Worldwide Investments.

Personal Profile

Date of Birth	03-Nov-1990
Permanent Address	T-482/2E-9, Baljeet Nagar, New Delhi-110008
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Languages Known	Hindi, English
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Father's Name	Mr. Dwarka Prasad

Place: New Delhi

(Lokesh Kumar Mittal)