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| **Name of candidate** | Rajesh Kumar |
| **Total experience** | 10+ years |
| **Current Position & Company name** | Data Analytics Developer & TRANSPORT FOR LONDON |
| **Position Applied for** | Data Analytics Development Manager |
| **Joining time (notice period, date of expected etc)** | Immediate |
| **Current location** | London, UK |
| **Notes/ comments / summary of experience** | Rajesh Kumar has total 10+ years of experience in   * He has Strong experience in Data analytics. * He has good experience Data Modelling & Cloud/Traditional ETL resource specialised in Data Warehouse, Data Modelling& ETL architecture. * He has an experience in Data warehouse implementation, ETL Design, ETL Development, Data profiling, Master Data Management, managing large Data sets like machine/sensor log data. * He has experience in Proficient in Azure data platform tools like Azure data factory, Azure Data Lake, Azure Data Lake Analytics, Azure Monitor, Azure Data Bricks and Azure SQL. * He has experience in creating logical & physical Data Model for each business process and conformed dimension for cross functional analysis using Kimball Dimensional modelling techniques (star schema / Snow Flake). * He has knowledge of AWS cloud architecture, Azure Data Lake, Azure Data Factory, U-SQL, Azure Key Vault, Data Analytics, Data Bricks, Spark, HDFS, Hive, Data Pipeline * He has Proficient in writing ETL logic using ETL tools SSIS, ODI12c, Informatica (5.4-10.2) and OWB. |
| **Legally authorized to work in the work location (Yes/No)** | Yes, British Citizen |
| **Skill Passport Link:** A in depth analysis of the applicant using AI. This Analysis is FREE to our clients and they can look at Skills, Abilities Knowledge, Work Activities and Predictive Analysis (BIG 5 Personality Traits) openness, consciousness, extraversion, agreeableness and emotion.  **Note:** if the link is not Open, please refresh once. | [**https://www.hirextra.com/skill-passport?cv=7235339608337a0e08eebc3af5a566ac**](https://www.hirextra.com/skill-passport?cv=7235339608337a0e08eebc3af5a566ac) |

**Rajesh Kumar**

**Profile Summary:**

* An experienced Data Modelling & Cloud/Traditional ETL resource specialised in Data Warehouse, Data Modelling& ETL architecture. Reputable for Data warehouse Business Intelligence (BI) solutions based on Ralph Kimball methodology, integrating new features of Business Objects and Oracle Business Intelligence technology, exploiting technological advances, developing utilities to automate project functions and optimising performance of ETL code using Informatica/OWB/PLSQL/ODI tools. Proven experience in design, development and testing of ETL processes, Data Marts, Azure Data Factory, Data bricks, BOXI Universe design, DESKI/WEBI, OBIEE reports and administration of Enterprise Data Warehouse.

**EXPERTISE**

* 13+ years of experience in Data warehouse implementation, ETL Design, ETL Development, Data profiling, Master Data Management, managing large Data sets like machine/sensor log data.
* Proficient in Azure data platform tools like Azure data factory, Azure Data Lake, Azure Data Lake Analytics, Azure Monitor, Azure Data Bricks and Azure SQL.
* Understanding and Analysing user data requirements by Data Profiling, verification, impact analysis and converting business requirements / Data stories into Technical requirements / Specifications.
* Creating logical & physical Data Model for each business process and conformed dimension for cross functional analysis using Kimball Dimensional modelling techniques (star schema / Snow Flake).
* Understanding and Analysing user data requirements by Data Profiling, verification, impact analysis and converting business requirements / Data stories into Technical requirements / Specifications.
* Creating logical & physical Data Model for each business process and conformed dimension for cross functional analysis using Kimball Dimensional modelling techniques (star schema / Snow Flake).
* Proficient in writing ETL logic using ETL tools SSIS, ODI12c, Informatica (5.4-10.2) and OWB.
* Expertise in writing optimizes ETL code, PL/SQL procedures & packages, Oracle SQL, ADF pipeline, Databricks data frame, HIVE SQL &U-SQL. Writing simple to complex SQLs and SQL performance tuning.
* Understanding Software Development Life Cycle (SDLC) – Prototyping, Iterative, Agile.
* Knowledge of AWS cloud architecture, Azure Data Lake, Azure Data Factory, U-SQL, Azure Key Vault, Data Analytics, Data Bricks, Spark, HDFS, Hive, Data Pipeline.

**Work Experience:**

**Data Analytics Developer**

**TRANSPORT FOR LONDON**

**OCT 2018 – PRESENT**

**Project**

**Excess Journey Time (EJT):**

* The intention is to deliver an EJT Reporting Tool that allows LUL to have one overall measure of performance. It also enables LUL to prioritise between projects for example to reduce ticket queuing time or to reduce platform waiting time. In running a mass transit system there is fine balance to be struck between running more trains to keep waiting times and crowding down and fewer trains to reduce train congestion delay. A time measure allows us to check that we have struck the right balance.

**Tools:**

* Azure Data factory (ADF V2), Data bricks, SQL server, Oracle, Azure Key vault, Data Lake, Azure Storage, Store procedure, GitHub, Python 3.6 and Scala

**Responsibilities:**

* Developing Azure data factory Pipeline for copying data from on-premise folders to data lake.
* Designed and developed many ETL/ELT data pipeline using spark to process unstructured and semi structured data.
* Developing data pipelines for loading data from data lake to Azure SQL Server
* Implemented data quality rules on raw data to cleanse the data and liaise with data scientist to find data quality issues to provide complete, accurate and aggregated structured to data scientist and reporting teams.
* Written and maintained code into desire format to share across teams and OPS team to ensure smooth deployment.
* Written complex optimized PLSQL code and implement data warehousing best practice to store data for faster retrieval
* Setting up Self hosted integration run time (ShiRt) to transfer files to and from on-premise folders
* Developing CI/CD pipelines for build, test and deployment
* Setting up Schedule trigger and tumbling windows trigger for data load.

**Highlights:**

* Extensively worked on Azure data factory (ADF V2) using activities like copy, Lookup, for each iterator, get metadata.Used parameter to connect to link services. Configured secret into Azure key vault.Called data bricks notebook into pipeline executions.Well versed in using Spark, SparkSQL to create pipelines to move data across applications, parsing and scrubbing raw data, converting Data Frames for SQL data analysis, calculating KPI (Excess Journey Time) and store them in parquet format.

**Sr ETL Developer**

**TRANSPORT FOR LONDON**

**JUN 2015– SEPT 2018**

**Project**

**Maintenance Modernisation - Predictive and Preventive Maintenance:**

* A programme that aims to look at every aspect of how TFL can improve maintenance arm of the business and to replace traditional train maintenance (scheduled) to data driven condition based using (binary, Hexadecimal, CSV) sensor and machine data from trains and assets. Delivered a single view of assets, incidents, trains, staff, health & Safety from multiple legacy source systems - SAP, Remedy and user data feeds. Self-Service reporting capability to do cross functional analysis on Reliability, attendance, staff errors, availability & performance, Lost Customer hours and Asset related faults.
* Tools: Informatica 9.6/Informatica 10.2, ODI 12c, OWB11Gr2, Oracle Database 11gR2, 12C,Erwin 9.6, SQL, PL/SQL Packages, UTL\_\* Packages, DBMS\_\* Packages, Business Objects BOXI 4, Toad.

**Responsibilities:**

* Attended Daily stand-up.
* Designed and develop ETL mapping using ODI.
* Generating scenarios, creating load plans and scheduling them. Deploying code to test, pre-prod and production environments.
* Creating Oracle DB objects namely table, view, sequences, procedures, functions, packages, scheduler job
* Created/Modified new ODI Knowledge modules from existing KMs to meet our ELT requirements.
* Extensively worked on ODI12c, developed customize code to take backup, used table function for complex code.
* Customized ODI knowledge module to support project requirement.
* Developed ODI mappings, Oracle PL/SQL procedures, complex SQLs. Used oracle features - analytical functions, partitions, partition exchange loading, partition pruning, bitmap indexes, external table, SQL Loader

**Highlights:**

* Extensively worked on ODI 12c. Developed custom code to take the backup of mappings. Loading multiple tables using single mapping. Used table function for complex loads. Customised KLMs according to project requirements. Migrated OWB mapping to ODI12C

**ETL Developer**

**TRANSPORT FOR LONDON**

**NOV2012 – JUN 2015**

**Project**

**Performance Data Warehouse:**

* Delivered a single view of assets, incidents, trains, staff, health & Safety from multiple legacy source systems - SAP, Remedy and user data feeds. Self-Service reporting capability to do cross functional analysis on Reliability, attendance, staff errors, availability & performance, Lost Customer hours and Asset related faults.

**Tools:**

* OWB 11g, ODI 12c, Oracle Database 11gR2, Erwin 8, SQL, PL/SQL Packages, UTL\_\* Packages, DBMS\_\* Packages, Toad, Business Objects BOXI 4, Oracle Gateway for ODBC.

**Responsibilities:**

* Attended Daily meeting and reported to Project Manager.
* Written ETL code and shell scripting.
* Developed OWB deployment tools to move code to different environment.
* Optimize ETL code and star schema for better performance of query in reports.
* Developed ODI/OWB mappings, Oracle PL/SQL procedures, complex SQLs. Used oracle features - analytical functions, partitions, partition exchange loading, partition pruning, bitmap indexes, external table, SQL Loader.

**Career Note:**

**Dates Company Designation**

* FEB 2012 – FEB 2012 BT SENIOR PROGRAMMER
* AUG 2008 – FEB 2012 EMEA PROGRAMMER ANALYST
* MAR 2008 – AUG 2008 CREDIT SUISSE, INDIA SENIOR SOFTWARE ENGINEER
* MAR2007– MAR 2008 MTV NETWORK DATA ANALYST
* SEP 2006 – MAR 2007 RBS SYSTEM ANALYST
* NOV 2004 – SEP 2006 BRITISH AIRWAYS SOFTWARE ENGINEER

**Education:**

* Bachelor of Engineering in Electrical and Electronics
* Bangalore University, Karnataka, India

**Skill Set:**

* **Cloud:** Azure Data Factory (ADF V2), Azure Data Lake,Azure Storage, Azure Active Directory, Azure SQL database,HDInsight, Hive, PIG, Redshift, S3, Azure U-SQL
* **ETL Tools:** SSIS, Informatica 5.1.4/6.2/7.1.4/8.6/9.2/10.2, Oracle Data Integrator (ODI) 12c, Oracle Warehouse Builder (OWB)10g &11g, OMB plus Kalido
* **Data Modelling:** Dimensional Modelling/ Multi-DimensionalModelling – (STAR Schema)
* **Database:** Oracle 10g, 11g R2, 12c, Microsoft SQL Server 2012,DB2 Oracle SQL & PL/SQL, Oracle CDC, Oracle Text, Golden Gate, Oracle Gateway, & SQL Performance Tuning
* **Case Tools:** Erwin 9.6, Microsoft Visio
* **Developer Tools:** Oracle SQL Developer, Toad 9.x, workbench
* **Scripting Language:** UNIX Shell Script
* **BI Tools:** OBIEE 10g/11g, Business Objects XI 4, Power BI
* **Version Control Tools:** GitHub, Clear case, Documentum and TFS
* **Domain Knowledge:** Finance, Asset Management, travel, Transport and Retail
* **Programming:** C, Python and Scala