**Vivek Kumar Giri**

**Tech Mahindra (Cloud Data Engineer)**

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**Professional Summary**

* Currently I am a google certified cloud digital leader working with IBM having 5.8 years of total work experience.
* My main area of experience has been project delivery of various sizes. I have worked primarily in the domain of Insurance, Banking and Media.
* I have 2+yr of technical experience in migration of the on-premises data and processes to GCP.
* I have 3+ years of technical experience in design, development, and implementation of the ETL jobs.
* Good Hands-on experience on cloud migration projects.

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| **Technology Summary** | |
| Language | * **Python** |
| Cloud Technology | * **GCP (BigQuery, GCS, Cloud Functions, PUB/SUB, Dataflow, Airflow)** |
| Ingestion Tool | * **Juniper, Ascend. Io** |
| ETL | * **DataStage, Data Warehouse, SQL, UNIX** |
| Database | * **SQL – Oracle, MS SQL, Vertica** |
| Scheduling Tool | * **Control-m, Cloud Composer** |
| Domain Experience | * **Banking & Insurance, Media** |
| Certification | * **Cloud Digital Leader (Google)** |

**Experience Summary**

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| **Company** | **L Location** | **Period Duration** |
| IBM | Hyderabad | Jan 2022 – Current |
| Tech Mahindra | Hyderabad | July 2021 – Jan 2022 |
| Capgemini | Hyderabad | June 2020 – July 2021 |
| TCS | Hyderabad | July 2016 – June 2020 |

**Qualifications**

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| Degree | Board University | Percentage |
| B.TECH. (Computer Science) | UPTU | 67.6 |
| AISSCE (12th) –PCM | CBSE | 68.8 |
| AISCE (10th) | CBSE | 8.6(CGPA) |

**ASSIGNMENTS**

The details of the various assignments that I have handled are listed here, in reverse chronological order.

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| Project | **SNS TO BQ Streaming Pipeline Design.** |
| Customer and Role | News Corp Australia (Developer) |
| Description | Ingest the streaming preference data from SNS to Bigquery |
| Responsibilities | * Created a HTTP Trigger Cloud function to get the request sent from the source SNS system. * This cloud function will take the request data and extract the data from it and publish it to the PUBSUB. * We created Dataflow pipeline to consume those messages from the topic. * Perform basic transformation on the data and then load it to Bigquery table. * Deploy the Dataflow with Airflow DAG |

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| Project | | **Teradata to GCP Migration** | |
| Customer and Role | | HSBC (Developer) | |
| Description | | The Teradata Warehouse is to be migrated to Google Cloud Platform. This process will ensure data to be stored on the cloud.  As part of this project, we implemented the migration for **800+** tables from on-prem to Google Cloud. | |
| Responsibilities | | * Cleansing of the raw data and make sure all the unwanted special characters has been removed. * SFTP the files along with Recon file (This file will have File Name, Row Count, Batch\_DT and Header/ Trailer count) to Juniper server * Creation of the Juniper feed which will take the files from the Juniper server, convert them to Avro format and move it to GCS (Google Cloud Storage) * Once the Avro are present in the GCS location, we will load them to BigQuery. * Automating the process using Control-m. * Construction of BigQuery and Scripts based on the Design to load the data to cloud. * Once the Data is loaded, transform them using Datastage and load it to target Bigquery table. * Unit, Integration and System testing of the developed components. | |
| Project | **Integration of SNOW with DataStage** | |
| Customer and Role | USAA (Developer) | |
| Description | As part of Run-to-Run Controls Client wanted the integration of Service Now with the DataStage.   * For the run-to-run controls business wanted us to create the service now incident for Variance check, Empty file check, Duplicate file check. * Created a reusable job which creates the SNOW incident for each of the run-to-run controls process.   As part of this project, we implemented the run to run controls for **250+** flows and improved the DQ. | |
| Responsibilities | * Identify the approach for the integration with SNOW. * Create the reusable job. * Implement Run to Run controls. * Unit, Integration and System testing of the developed components. * Perform regression testing to ensure smooth integration with enterprise systems. | |

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| Project | **Migration of EFCM tables in YOEFAM DB out of PCI Enclave** |
| Customer and Role | USAA (Developer) |
| Description | As part of PCI compliance requirement, the client need to ensure   * Business continues to have access to the data in YOEFAMDB because access will be limited after March 2019 and connections may no longer work. * Applications outside of the enclave should not be connected to DB's behind the enclave * Ensure business receives accurate data for alerting and reporting and notification of issues when there is a failure in data quality.   As part of this project, we have migrated data from **80+** tables to various other databases based on data profile. |
| Responsibilities | * Identify the tables used only by Fraud and Security team * Identify tables shared by Fraud and AML teams * Implement DQ checks on business tables resulting from migration. * Refactor old cycles to improve maintainability and efficiency. * Perform regression testing to ensure smooth integration with enterprise systems. |