# Prasanna Kumar Mattaparthi
## (GCP Data Engineer)

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## Career objective:

To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills.

## PROFESSIONAL SUMMARY

- Around 3.4 years of working experience in IT as a cloud data engineer and hands-on experience in migrating on-premise ELTs to Google Cloud Platform (GCP) using cloud-native tools such as BIG query, and Google Cloud Storage, and Composer.
- Having good experience on GCP Cloud Components like GCS, BigQuery, Data Proc, and Cloud Composer
- Experience in cloud computing on a google cloud platform with various technology like compute engines, big query, composer
- Experience in OLTP and OLAP design, development, testing, implementation, and support of enterprise databases.
- Experience working with Big Query to load data to Stage, History, and Control tables, Developed Authorized views and tagging scripts.
- Knowledge of various file formats like CSV, JSON, Avro, and parquet.
- Good knowledge of Big Data technologies like Hadoop, and Pyspark.
- Good experience with open-source scheduling tool Airflow.
- Experience in job scheduling and monitoring using composer by the creation of DAGs.
- Extensive hands-on experience in MySQL database working with data using SQL.
- Good knowledge in GITHUB like GIT, GIT STAGES, GIT BRANCHES, GIT REPOSITORY GIT PR

## TECHNICAL SKILLS

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| **Cloud Platforms – GCP:** | GCS, BigQuery, Pub/Sub, Data Proc, Airflow/Composer |
| **Languages:** | SQL, Python scripting, |
| **Big data technologies:** | Hadoop, Pyspark |
| **Data Formats:** | CSV, JSON, XML, Avro, Parquet |
| **Build Tools:** | Data Bricks, Jupyter, Note Book++ |

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| **Operating System:** | Windows, Linux, Unix |
| **Project Execution tools:** | Agile - Sprint, Scrum, JIRA, Confluence, |

## EDUCATIONAL QUALIFICATION

- **BTECH** from JNTU KAKINADA University in 2014 aggregate with 70%

## PROFESSIONAL EXPERIENCE

Currently working as a Data Engineer on GCP with RIGHTEOUS TECHNOLOGIES PVT LTD From march 2019.

## PROJECT PROFILE

### Project 1:

**Project:** AXA Data Analytics

**Duration:** May 2021 -till date

**Technologies:** GCP, GCS, BIG QUERY, SQL, CLOUD COMPOSER(AIRFLOW), PYTHON SCRIPTING

**Pod Size:** 8

**Project Description:**

Our project uses Google Cloud analytics solutions to boost internal processes and develop services for the customers. This is the number one insurance company and leads the entire insurance sector in Switzerland. Our client wants to leverage the technology & infrastructure and hence fully committed to a data-driven approach where the customers are served in a high-priority and reliable environment.

**Responsibilities:**

- Following Agile Methodology
- Responsible to follow sprint planning, scrum meeting, and Jira update.
- Responsible to understand business needs analyzing the requirements and designing the requirements page.
- Involving Process cost reduction, increasing speed and applying optimization technics and approaches.
- Responsible for creating the GCP buckets, Datasets, and Big Query tables in different layers of different BQ projects.
- Created Authorized views in Big Query to provide data to Down Streams.
- Developed SQL scripts to Load data into Big Query.
- Translate business propositions into quantitative queries and collect/clean the necessary data.
- Experience wrangling big datasets. Eager to build robust data tables that lay the groundwork.
- Used Source Code Management (SCM) as GitHub (GIT repositories, branches, PR)
- Responsible for Unit Testing and SIT (System Integration Testing) and capturing the evidence.
- Responsible for SIT.
- Participation in interactions with the client and take

## Project 2:

**Project:** MCDA

**Duration:** APR 2020-MAY2021

**Technologies:** GCP, BIG QUERY, SQL, AIRFLOW, PYTHON SCRIPTING

**Pod Size:** 9

**Project Description:**

Our client wants to take health and wellness to the next level by empowering both consumers and medical providers through data. Our client runs a multi-cloud environment, anchored by a scalable Big Data platform on Google Cloud. The platform combines Big Query to speed up real-time analytics. Our client uses Big Query to analyze patient data and other relevant data sources such as National health datasets to identify a patient's risk category. And with Big Query, doctors don't need to be data scientists to gain real-time insights from health data. In addition to this, we use multiple tools and techniques on the Google Cloud Platform to process huge quantities of data on a day-to-day basis.

**Responsibilities:**

- Responsible for providing Data Quality Assurance.
- Developed producer scripts to read CSV files from the source system and transfer data to Kafka.
- Involved in the development of creating a data pipeline flow to read data from Kafka and load data to Big Query.
- Experience in handling JSON, and CSV data formats.
- Created authorized views in Big Query to provide required data downstream.

## Project 3:

**Project:** EMONEY

**Duration:** APR-2019 TO MAR-2020

**Technologies:** SQL, Big query, GCS

**Role:** SOFTWARE ENGINEER

**Pod Size:** 9

**Project Description:**

MONEY SUPERMARKET Offers a very broad range of products and services to our customers. Everything from Insurance to Financial Products to energy suppliers. We can help save them money in all kinds of different ways", Head of data strategy and advanced analytics at money supermarket group. along with the benefits of success came the challenge of handling ever-increasing loads of data hen Money super Market looked at GCP (Google cloud platform) for more benefits;

**Responsibilities:**

- Responsible for providing Data Quality Assurance.
- Developed producer scripts to read CSV files from the source system and transfer data
- Involved in the development of creating a data pipeline flow to read data and load data to Big Query.
- Experience in handling CSV format.
- Created authorized views in Bigquery to provide the required data to down streams (ML/Analytics/dashboards/stakeholders)
- Hands-on experience on Bigquery, GCS.