Ramakant Singh

Seeking Position of:	**GCP Data Engineer, Python, PySpark, Tableau, Power BI**
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Profile: Google Cloud Certified Professional Data Engineer/BI

Primary Skills:

- Have Extensive Experience in IT data analytics projects. Using Compute Engine to design initial infrastructure. Hands on experience in migrating on premise ETLs to Google Cloud Platform (GCP) using cloud native tools such as Bigquery, Big Table, Cloud Spanner, Cloud Data Proc, Google Cloud Storage, Composer. GCS bucket, G - cloud function, cloud dataflow, Pub/SuB cloud shell, GSUTIL, BQ command line utilities, Stack drive. Have experience of GCP ML services — AI Platform, ML APIs, BQML, TensorFlow, Keras. GCP Security, Cloud data pipeline, Google Kubernetes Engine, Security and Hybrid/Multi cloud computing.
- Wrote codes in Python and designed and implemented for high – availability, low latency. Integration of user-facing elements. Knowing NumPy, Pandas, Matplotlib, building data pipelines and analysis tools using Python, PySpark, Create Spark jobs for data transformation and aggregation, Create Spark jobs for data transformation and aggregation, Produce unit tests for Spark transformations, Design data processing pipelines
- Design Reports and Dashboards in Tableau, Forecasting, Formatting, Charts, Actions, and Filters, and Calculations, Created Tableau scorecards, dashboards using stack bars, bard graphs, scattered plots, and geographical maps. Using Measures and Dimensions data from various databases by using data blending concept.
- Design Power BI Architecture, Experienced in Developing Report in Power BI on different sources like SSAS Tabular cubes, Azure and SQL Server. Transforming data through query editor, Parameterized Reports.

Secondary Skills:

- AWS Glue, Shell Scripting, Hive, Hadoop, Databrics, Agile, Control M, Terraform

Experience: Total Yrs. Exp. In IT :13+ yrs.

Senior Application Developer

Telus International, Noida	**Mar 23rd, 2020 –Onwards**

Role & Responsibilities: Datawarehouse Modernization, creating a Data Transformation Pipeline with Cloud Data prep. ETL Processing with Dataflow. Design document for BI systems. Evaluate existing data-collecting and analytics systems. Analyze big data to discover trends and patterns. Translate business needs into technical specifications. Establish procedures for data sharing with internal and external stakeholders. Ensure we use accurate and secure methods to extract data. Use data visualization techniques to present information.

Created hierarchies and attributes as part of dimensional modeling. Scheduled and maintained nightly and weekly loads of data by creating and scheduling the respective jobs. Developed high level daily summary reports (Flash reports), and monthly business summary reports (Monthly Management Report) and setup different email subscriptions for different business units as needed. Worked on all kind of reports such as Yearly, Quarterly, Monthly, and Daily. Using Cloud Composer to copying BigQuery.

Project 1: Data ingestion and Data Analysis
Role: GCP Data Engineer
Environment: GCP, Bigquery, GCS Bucket, G-Cloud Function, Cloud Dataflow, Big Table, Cloud Spanner, Cloud Shell, Gsutil, Bq Command Line Utilities, Dataproc, Vm Instances, Cloud Sql, Mysql, Sql Server, Python, Spark, Hive, Sqoop, Spark-Sql**,** Cloud Data fusion

Role & Responsibilities: Design multiple Data pipelines, end to end ETL and ELT process for Data ingestion and transformation in GCP and coordinate task among the team. Design and architect various layer of Data lake. Design star schema in Big Query Loading Salesforce Data every 15 min on incremental basis to BIGQUERY raw and UDM layer using SOQL, Google Dataproc, GCS bucket, HIVE, Spark, Python, Gsutil And Shell Script. Using rest API with Python to ingest Data from and some other site to BIGQUERY. Build a program with Python and apache beam and execute it in cloud Dataflow to run Data validation between raw source file and Bigquery tables. Building a Scala and spark based configurable framework to connect common Data sources like MYSQL, Oracle, Postgres, SQL Server, Salesforce, Bigquery and load it in Bigquery. Monitoring Bigquery, Dataproc and cloud Data flow jobs via Stack driver for all the environment. Open SSH tunnel to Google Dataproc to access to yarn manager to monitor spark jobs. Submit spark jobs using Gsutil and spark submission get it executed in Dataproc cluster Write a Python program to maintain raw file archival in GCS bucket. Analyze various type of raw file like Json, Csv, Xml with Python using Pandas, Numpy etc. Write python program for spark transformation in Dataproc.

Project 2: Analyzing Sell price of Items
Role: Data Analyst
Environment: Google Cloud and Databricks Python, Pandas, Matplotlib, Seaborn, Databricks, PySpark

Role & Responsibilities: Involved to design prediction model of sell. This prediction model provides a prediction based on the age of the customer, city category, occupation, etc. The purpose of designing this model to promote customers to buy more products to boost the shopping sector. This model analyzes the relationship among various attributes. The dataset consists of attributes such as user_id, product_id, martial_status, city_category, occupation, etc. This prediction model provides an insight to retailers to analyze and personalize offers for more customer's preferred products. Heatmap is used for determining the correlation between dataset attributes. The data of a given dataset can be easily represented graphically by using a Heatmap. It uses a color system to represent the correlation among different attributes. It is a data visualization library (Seaborn) element.

PROJECT PROFILE:

Project 3: Inhouse Project
Role: Senior Developer
Environment: Power BI, Tableau, Cloud DW (Azure Synapse)

Role & Responsibilities: Involved in Data Migration using SQL, SQL Azure, Azure storage, and Azure Data Factory, SSIS, PowerShell. Involved in understanding the functional requirements, translation of technical documents, data dictionary mapping and data mappings. Involved in writing heavy T-SQL stored procedures, complex joins, new T-SQL features. creating and managing SSAS Tabular models, creating Dimension and Fact Tables. Developed SSIS packages that can extract data from various sources and merge into one only source for Power BI reports.

Senior Application Developer

Wipro Technologies, Hyderabad	**May 21st, 2019 –Oct 30th 2019**

Role & Responsibilities: Design Data Modeling, analysis requirements, proposed design model and implement BI project. Handling small BI team and working as standalone. Using Technologies like Power BI, MS BI, Tableau and different type's database (SQL Server, Oracle, AAS, Azure Cosmos DB and Cloud DW). Using Alteryx for Blending different sources for Power BI reports. Working on various performance tuning techniques. Working on Advanced functionalities like Adhoc reports, Comparative Analysis, Dynamic visibility and Predictive Analysis. Performing the Unit testing for the developed applications. Interacting with multiple business teams to collect the requirements and arrive at data and reporting specs. Coordinating with data team to source data. Coordinated and conducted business, system requirements analysis meetings with business and technology partners, business analysts and DBA's.

PROJECT PROFILE:

Project 1:   Supply Chain Management
              Role: Senior Consultant
              Environment: Power BI, Tableau, SSIS, Cloud DW (Azure Synapse)

Description: Enables intelligent decision making; by utilizing the power of intuitive rich visuals and reports generated from staggering number of customers, inventory and workforce data. Consolidated view of the data fetched from multiple sources, to design interactive dashboards. Hub and Super hub related route-based reports. Reports to track and monitor customers that show abnormal behavior; who order items but changes their decision at the delivery time and rejects the items. Integrated multiple logical data models into a single data model. Discussed the Data model, data flow and data mapping with the application development team.

Project 2:   Inventory Management
              Role: Senior Consultant
              Environment: Power BI, Tableau, SSIS, SQL Server/Oracle.

Description: The objective of project to analyze and report supplier diversity goals and achievements. The dashboards that play an important role in tracking supplier diversity goals and to identify gaps where there are short falls. The reports cover Spend Analysis, Supplier analysis, diversity demographics and benchmark analysis. Data sources were Impala and SQL Server. Alteryx was used for Data Preparation and Tableau for Visualization and Reporting. One report using Power BI map routes to tracking Hub and Super-hub of different regions.

Senior Application Developer

Credit Agricole, (Kelly Servicers) Singapore	**Feb 1st, 2017 – 15th Nov,2017**

Role & Responsibilities: Design Architecture of BI Project and Understanding Documents. Working on New Requirements of BI Projects especially for SSAS Tabular and

Multidimensional. Design DAX and MDX script for data model. Maintain Big Dimensions and Facts table. Responsible for interacting with client for gathering Reports Design requirements. Analyzing and developing business critical dashboards based on client requirement in Tableau. Developing and planning test plan. Module lead of Market dashboard and have guided the team effectively to exceed customer expectations. Responsible for creating BI Project, creating ETL packages to process databases and creating corresponding reports in QlikView, Tableau and Power BI. Designed, developed, implemented, and supported Power BI, Tableau dashboards. Integrated data sources and databases with Tableau and Power BI and designed and developed data models and backend queries for presenting data. Design Scala Module and API. Worked on Power BI, Tableau, to manage user access, schedule refreshing of documents, mount completed applications. Visualization of different sources in Power BI and Tableau. Using Shell Script to automate reports and cubes. Modeled the logical and physical diagram of the future state, Delivered BRD and the low-level design document. Designed conceptual data model based on the requirement, interacted with non-technical end users to understand the business logics. Modernize DW ETL works through Matillion.

PROJECT PROFILE:

Project 1:   Credit Agricole, Singapore
                        Role: Senior Application Developer
                        Environment: Server 2016, Power BI, Tableau, ERwin

Description: Credit Agricole have about 60 offices around the World. The initial data warehouse Credit Agricole created is intended to support planners and buyers at the country level, area levels.
        The goals of the Credit Agricole warehouse included:
- Improving the visibility and prediction of sales conditions.
- Enabling better forecasting and budgeting decisions.
- Improving the reporting system and the exposure of Key Performance Indicators (KPIs).
- The ability to perform ad hoc analysis.
- Sharing Power BI Reports in Cloud

The objective of projects to fulfill requirements of reports from many Sources and analysis data through Power BI and Tableau.

Project 2:   Credit Agricole, Singapore
                        Role: Senior Application Developer
                        Environment: Linux, Sisense, Tableau and Power BI, Snowflake DB, Oracle

Description: Design reports in Sisense, Power BI and Tableau using different connector. Design reports based on performance and metrics com. The Bank partnered with several vendors to promote the new policy at to expand their customer base. As part of this initiative, consumer behavior and spending habits analyzed and collaborated with policy sellers.

Module Lead

Tech Mahindra Ltd, Bangalore	**Sep 1st 2014 – Jan 13th 2017**

Role & Responsibilities: Responsible for interacting with client for gathering SSAS Cube Design requirements. Analyzing and developing business critical dashboards based on client requirement. Module lead of Market dashboard and have guided the team effectively to exceed customer expectations. Responsible for creating cubes in SSAS, creating packages in SSIS and

creating corresponding reports in SSRS. Design SSAS based Tabular Cubes along with Power BI and Dax scripts. Working on Qlik Sense components like Create Apps, charts and Bookmarks.

PROJECT PROFILE:

Project 1:   Chevron
              Role: Module Lead
              Environment: Server 2012, Oracle, SSIS and Tableau

Description: Migrate Oracle based database into SQL Server 2012. Using SSIS for ETL process and design multidimensional cube in SSAS. The objective of project to fulfil Routine Duties data requirements Cognos based reports into SSRS and Tableau.

Project 2:   Applied Materials
              Role: Module Lead
              Environment: SQL Server 2012, SSIS, SSAS and MDX, Tableau

Description: Design Customized SSAS Cube for NPI Dashboards for Tableau.

Project 3:   Suncorp (Australian Banking and Insurance Domain)
              Role: Module Lead
              Environment: SQL Server 2012, SSAS, Tableau, Netezza.

Description: Design SSAS Cubes, Tableau Reports and Netezza Insight for Insurance Home2 requirements.

Project 4:   Queensland Urban Utilities
              Role: Module Lead
              Environment: SQL Server 2014, SSAS, SSIS, QlikView, Power BI

Description: Design SSAS cubes Tabular and Multidimensional according to requirement. Main complex cubes that is People Modules contain 13 Tabular Cubes. Co-ordinate the BI developer to develop SSIS package, QlikView, Power BI and Tableau reports. Mentoring them to design and packages and reports. Requirements gathering and design architects of requirements.

MTS Level 7

InterraIT Solutions Pvt. Ltd, Noida	**JUNE 17th, 2013 – 29th Oct 2013**

Role & Responsibilities: Analytics Reports and MDX Queries - Using Primarily SQL Server SSAS Database. Working on Calculated Members, Name Sets on SSAS. Create MDX & Ad hoc queries. Maintain daily Dashboard and KPI report. Create Offline Cubes. ETL (SSIS) work etc. MDX based multiple calculations like forecasting, budgeting etc. Implement DRILLTHROUGH in SSAS. Create role in SSAS. Write complex MDX queries. Create cubes. Define dimension and hierarchy. Design KPI, Actions and DRILLTHROUGH statements. Create Partition, Aggregations etc. Design SSIS Package to populate Dimension, Fact Table and Process SSAS cube. Create SSIS package to Monitor SSIS Task and SSAS Cube Process. Implement and Plan testing cases for ETL and Cubes.

PROJECT PROFILE:

Project 1:   Product Based Company
                        Role: SSIS, SSAS and MDX
                        Environment: SQL Server 2012, SSAS & SSRS, QlikView

Description: Migrate Oracle and Cognos based BI project into MS BI. Using SSIS for ETL process and design multidimensional cube in SSAS. The objective of project to fulfil Cognos based reports into SSRS. Design CSV sources based QlikView Dashboards and Reports.

Project 2:   Product Based Company
                        Role: SSAS and MDX, DAX Developer
                        Environment: SQL Server 2012, SSAS & SSRS, QlikView

Description: Globally Employee Hierarchy Dashboard and APJ Sales Dashboard for APAC Reason. Optimization works of SSRS and QlikView reports have sources of Tabular Cubes and CSV files. Migrate Dimensional Modeling based SSRS reports to Tabular Modeling.

Software Engineer.

Hays Business Solutions Pvt. Ltd, Noida	2nd July 2012 – 30th April 2013

Role & Responsibilities: Create Cubes and MDX Queries - Using Primarily SQL Server SSAS. Design and implement SSAS Database. Working on Calculated Members, Name Sets on SSAS. Create MDX & Ad hoc queries. Maintain daily Dashboard and KPI report. Create Offline Cubes. ETL (SSIS) work etc. MDX based multiple calculations like forecasting, budgeting etc. Implement DRILLTHROUGH in SSAS. Create role in SSAS. Write complex MDX queries. Create cubes. Define dimension and hierarchy. Design KPI, Actions and DRILLTHROUGH statements. Create Partition, Aggregations etc.

PROJECT PROFILE:

Project 1:   Recruitment Company Data
                        Role: SSAS Developer
                        Environment: SQL Server 2008 R2, SSAS & SSRS.

Description: The aim of project to maintain update data of SSAS Cubes to Team Management Portal. This Portal comprise of eight KPI Reports. All reports filtered based on Year wise, Month Wise, Consultant Manager Wise and Consultant Wise. Using MDX queries to pull data from SSAS cubes.

Sr. Executive

PieXsys Technologies Pvt. Ltd, New Delhi	16thJune2009-27th June2012

Role & Responsibilities: Working on SSAS cubes and writing mdx queries. Enhancements works on existing cubes, like adding new attribute and measures. Create names set and calculated members inside cubes.

PROJECT PROFILE:

Project 1:   FMCG Data
                        Role: BI Developer
                        Environment: SQL Server 2008, T-SQL, SSIS, SSAS & SSRS.

Description: The aim of project is to import data from different sources, transform it into desired form and finally export to different destination (SQL Server Database, Access and Excel). During this period the aim of project is to cleaning data first. Design package and deploy it of Production Server. After that design Cube for analysis data and write MDX queries on that's one. Designing Analytics and Operational reports using SSRS where, often used MDX Queries, T-SQL Queries and Stored Procedure. Using Power Pivot to Design cube-based Reports in Excel. Populate Dim and Fact Table to maintain incremental data.

Project 2: Telecommunication Database Maintenance
Role: BI Developer
Environment: SQL Server 2008, T-SQL, SSIS, SSAS & SSRS.

Description: The aim of project is to import data from different sources, transform it into desired form and finally export to different destination (SQL Server Database, Access and Excel). During this period the aim of project is to cleaning data first. Design package and deploy it of Production Server. Design some Ad hoc Reports using Report Builder.

Executive

IRIS Software Pvt. Ltd, New Delhi	9th Apr 2008-11th June 2009

Role & Responsibilities: In IRIS Software worked with performance data and Key Performance Indicators (KPI) for new business processes. Generate SQL queries. Create SSIS Packages to support ongoing data input and updates. Design and implement SSRS Projects. This requires gathering data from various source types such as MS Excel Files, and SQL Server Tables from various vendors & locations. Cleansing the data and creating new normalized tables in MS SQL Server. Creation Stored Procedures and Views. Create Schedule jobs for updating SQL Tables. Create report in different format using Pivot and SQL Server 2005.

Project 1: Insurance Customer Database
Client Name: Airtel, Max New York Life:
Role: BI Developer
Environment: SQL Server 2005, T-SQL, VBA (Macro Programming)
Description: Cleansing data and arranged it into organized way, using SSIS. Design reports using Crystal Reports and VBA (macro programming).

Executive

ASR InfoTech, Gurgaon	25th Aug 2006 – 6th Apr 2008

Role & Responsibilities: Design, modify and troubleshoot Tables. Create and modify SQL Views and SQL Tables. Design and build Database, cleans and query data from an Access Data and deliver it to SQL files. Builds consist of Sales Data, Credit Data, Salesman Information, Company and Region Data. This is a complete bottom-up development. It includes the ability to export data to MS Excel format, save Reports to Word or PDF format.

IT Trainer

Informatics, Patna & GIIT Computer, Ranchi	18th Dec 1998 – 20th Aug 2006

MS Access, Visual Basic Training development and coordination. MS Access Development (Reports, Queries, Macro's and Forms) Project Coordinator, Developer and Administrator of the MS Access and SQL Server for District wise office.

IT Trainer

GIIT Computer, Ranchi   **24th Feb 1993 – 15th Dec 1998**

Coordinate overall Software Training. Prepare different types projects for clients and deliver them on deadline.

Software Trainee

Central Electronics Ltd, Sahibabad   **17th Jul 1992 – 16th Jan 1993**

Application Development in C, FoxPro, dBase, Lotus 123, Word Star such as Inventory System, Financial Accounting. Create Report.

PROFESSIONAL OBJECTIVE

Would like to join prestigious company, where expose own talent to contribute the development of organizations in evaluating, defining, and addressing their technology needs.

Strengths: Pragmatic, polite, flexible, like to work with team, can develop impartial Project in BI with SQL Server and Hadoop.

Educational Qualifications (All Regular Courses no gaping)

Qualification	School/College	Name of Institution	Year of Passing	Percentage
B.A.(Hons)	Gaya College, Gaya	Magadh University, Bodh Gaya	08/1991	50%
PGDCA	ACE, Ghaziabad	MAIT, Delhi	06/1993	78%
Intermediate	Gaya College, Gaya	Bihar Intermediate Examination Council, Patna	10//1986	52%
Matriculation	High School, Maksudpur, Gaya	Bihar School Examination Boar, Patna	08/1984	70%

Certification: **1. Microsoft Certified Solution Developer, Year – 09/1999**
                            2. Google Cloud Certified Professional Data Engineer – 12/2021

Language Skills:

English: Read: Write: Speak:
Hindi: Read: Write: Speak:

Comprehensive problem-solving abilities, work in pressure, excellent verbal and written communication skills, ability to deal with people diplomatically, willingness to learn team facilitator hard worker.

Father's Name: Sri. Deonandan Singh
Mother's Name: Late Nand Rani Devi

                                                              Ramakant Singh