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Description automatically generated with medium confidence **Robert Appiah**

POWER BI/TABLEAU DEVELOPER

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**Career Overview**

An experienced Business Intelligence Developer with over 5 years of IT experience and a proven track record of delivering impactful data analytics and visualizations. Possess 4+ years of hands-on experience using Power BI and Tableau to transform raw data into actionable insights. Adept at collaborating with cross-functional teams and stakeholders to identify business requirements and design data models that drive data-driven decision-making.

**Technical Skill Set**

**Application Software:** Microsoft Office Suite (WORD, EXCEL, POWERPOINT, TEAMS and OUTLOOK), QGIS and ArcGIS.

**Methodologies:** Agile, Star Schema, ETL & ELT, Technical Specifications, Stored procedures, APM, Deployment Pipeline and Documentation.

**Programming Languages:** SQL, DAX, M Code, Python

**Clouds:** SAP HANA, Microsoft Azure, Oracle Cloud, EnterpriseOne (E1)

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**Professional Work Experience**

**Employer:** RiceTec Inc. - Alvin, TX **Duration:** Oct 2022 to Date

**Role:** Power BI Developer / Data Analyst Coordinator

**Responsibilities**

* + - Developed Territorial Regional Map layers using QGIS.
    - Designed an interactive Shape Maps visual for a Power BI Weather report with forecast using shape files from QGIS.
    - Cleaned collected crop data by Drones in SQL Server for reporting in Power BI.
    - Analyzed the sync of Male and Female Parent lines to help growers determine which combination will create a higher yielding Hybrid using advanced DAX calculations including Aggregation, Logical, Text and Time intelligence functions.
    - Designed a quarter and month to date Inventory dashboard to correct sales of old stock against new stock in Power BI service.
    - Established row level security within reports to ensure data privacy within the organization.
    - Managed workspaces in Power BI effectively and deployed Solutions through the deployment Pipeline.
    - Seamlessly integrated Power BI reports into webpages and application for external users consumption using Power BI Embedded.
    - Modified reports and dashboard in mobile layout to support an adjustable orientation for users on the go to have an optimized user experience.
    - Built a Canvas App from Power Apps to support planting operations which run on flows developed in Power Automate.
    - Conducted data analysis to identify Critical Temperatures in regions during the planting season relative to what type of seeds to be planted.
    - Performed data transformations in SQL using SSMS before extracting data to the Power Query using the advanced feature of Get Data.
    - Using recursive CTEs and Window functions in SQL I achieved data aggregation and integration close to the data source which optimized the models of existing solutions and improved their performance.
    - Designed predictive models based on Historic data using several packages in python.
    - Applying ETL processes to complex data workflows, ensuring data integrity and optimizing performance.
    - Using Star Schema to Model data by designing efficient and intuitive data structures that support complex analytical queries and data exploration.

**Employer:** Newpark Resources Woodlands, TX **Duration:** Jan 2021 to June 2022

**Role:** Power BI Developer

**Responsibilities**

* Developed insightful Year to Date reports for investors to easily explore sales and profitability trends of the company.
  + - Designed dashboards to track the average closing share price for the 30 trading-day period ending Nov 30, 2020, which exceeded $1.00 and caused the company to regain compliance with NYSE.
    - Tracked and reported a 9% sequential decline in revenue of the Fluid Systems in the third quarter.
    - Develop new solutions and enhance and support Existing BI solution in the SAP BWoH, HANA 1.0 and 2.0 (WBE IDE) backend space and reporting with Power BI and Tableau.
    - Extracted data from SAP BW Bex query using Power BI to build Power BI Dataset.
    - Developed Executive and operational Level Dashboards to in Power BI/Tableau for Finance Profitability Report and EOCG reports.
    - Worked independently and as part of a team to accomplish critical business objectives and to make decisions under pressure.
    - Analyzed complex business requirements, created and modified complex stored procedures also worked on performance tuning.
    - Largely used T-SQL in supporting Finance Team and constructing User Profiles, Relational Database Models, Data Dictionaries and Data Integrity.
    - Created complex T-SQL code such as Stored Procedures, functions, triggers, Indexes and views for the application.

**Employer:** Voltican Inc. - Houston, TX **Duration:** Jul 2019 - 2022

**Role:** BI Developer

**Responsibilities**

* Extracted JSON files into meaningful and interactive reports for business decisions by executives.
* Designed Month to Date sales reports to track revenue performance of the company.
* Assisted with switching from SAP HANA to Microsoft Azure Cloud.
* Interacted with business users and team leads for better understanding of business specifications and requirements, identifying data sources and Development strategies.
* Generating SSIS packages from various sources to specific destinations by using Visual Studio, deploying packages into Integration Services Catalog using deployment utility, building, and scheduling jobs for ETL process.
* Participated in design discussions with Database architects and Application architects.
* Largely used T-SQL in supporting other teams and constructing UDFs, views, indexes, SPs, relational database models, data dictionaries, and data integrity.
* Actively participated in creating the Relational Database design. Created T-SQL queries to help various transactions.
* Achieved successful result on performance based on execution plan and creating optimal logic using T-SQL.
* Strong application development experience with back-end databases such as SQL Server, Oracle and MS Access using ADO/ADO.Net OLE DB and SQL client.
* Supervised performance tuning of SQL queries and stored procedures using Index Tuning Wizard and SQL Profiler.
* Created and designed Data Source and Data Source Views and configured OLAP Cubes (Star and Snowflake schema) using SSAS.

### Academic Qualification and Certifications:

### BSc. in Business Administration and Management – University of Ghana.

### Data Analytics: Microsoft Certified Power Platform Developer Microsoft Certified Power BI Data Analyst Associate.