Colin Roberts

Data Specialist

Skills:

- Create, design, and manage relational databases and apply database administration (DBA) concepts to RDBMS such as MySQL, PostgreSQL, and IBM Db2.
- Develop and execute SQL queries using SELECT, INSERT, UPDATE, DELETE statements, database functions, stored procedures, Nested Queries, and JOINs.
- NoSQL & Big Data using MongoDB, Cassandra, Cloudant, Hadoop, Apache Spark, Spark SQL, Spark ML, Spark Streaming.
- Implement ETL & Data Pipelines with Bash, Airflow & Kafka; architect, populate, deploy Data Warehouses; create BI reports & interactive dashboards.
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Education:

Data Engineer Certificates

-IBM SQL and Data Analysis

-IBM Data Warehousing and BI Analytics

-IBM NoSQL Databases

-IBM Big Data with Spark and Hadoop

-IBM Data Engineering and Machine Learning using Spark

-IBM Relational Databases (RDBMS)

-IBM ETL and Data Pipelines with Shell, Airflow and Kafka

-IBM Python for Data Science, AI & Development

-IBM Relational Database Administration (DBA)

-IBM Linux Commands and Shell Scripting

-IBM Python Project for Data Engineering

-IBM Databases and SQL for Data Science with Python

- IBM Capstone Project Data Pipeline Honours

Web Design

-Art Institute of Pittsburgh - Bachelor degree in Graphic Design and Web Design

Graphic Design and Web Design- Adobe Illustrator/ Photoshop/   Indesign/ Premiere Pro (Video)/ After Effects (Animation).

Engineering

Volunteer State College - Mechanical Engineering- Engineering, Computer Aided Drafting/ Hydraulic and Pneumatic Systems/ Electric and machine learning/ CAD / Html5 / PHP / Javascript. Database engineer & analysis.

C++, Python, SQL, R, JSON, Postgres, Kafka, Airflow, CRON jobs, Bash/Shell script. IBM DB2, Pandas, MySQL

Work History:

2012-2019

Bloom - Web & Graphic Design and customer relations. Tasked with gathering information from clients and creating logos, color schemes and writing engaging content for websites and their business. Engaging with clients on the direction of business strategies. Helping Business acquire LLC's. Manage and development database for client information.

2019- 2023

Freelance Data Analyst ("Business Reports Graphs and Analytics", Data Engineer ("build Databases and transform/clean data") .