Data Engineer

Role Summary

Data Engineer will work closely with a multidisciplinary Agile team to build high quality data pipelines driving analytic solutions. These solutions will generate insights from the organization's connected data, enabling the organization to advance the data-driven decision-making capabilities of the organization's enterprise. This role requires deep understanding of data architecture, data engineering, data analysis, reporting, and a basic understanding of data science techniques and workflows. The ideal candidate is a skilled data / software engineer with experience creating data products supporting analytic solutions. The ideal candidate is a skilled data / software engineer with experience creating data products supporting analytic solutions. They are an Agile learner, possess strong problem-solving skills, work as part of a technical, cross functional analytics team, and want to solve complex data problems and deliver the insights to enable analytics strategy.

Responsibilities

Design, develop, optimize, and maintain data architecture and pipelines that adhere to ETL principles and business goals

Solve complex data problems to deliver insights that helps the organization's business to achieve their goals

Create data products for analytics and data scientist team members to improve their productivity

Advise, consult, mentor and coach other data and analytic professionals on data standards and practices

Foster a culture of sharing, re-use, design for scale stability, and operational efficiency of data and analytical solutions

Lead the evaluation, implementation and deployment of emerging tools and process for analytic data engineering in order to improve the organization's productivity as a team

Develop and deliver communication and education plans on analytic data engineering capabilities, standards, and processes

Partner with business analysts and solutions architects to develop technical architectures for strategic enterprise projects and initiatives.

Learn about machine learning, data science, computer vision, artificial intelligence, statistics, and/or applied mathematics

Key Skills

Domain Expertise

Bachelor’s degree required; Computer Science, MIS, or Engineering preferred

5 years of experience working in data engineering or architecture role, 7+ preferred (3 years with 5 preferred for junior role)

Expertise in SQL and data analysis and experience with at least one programming language (Python or Scala preferred)

Experience developing and maintaining data warehouses in big data solutions

Experience with developing solutions on cloud computing services and infrastructure in the data and analytics space (preferred)

Database development experience using Hadoop or BigQueryand experience with a variety of relational, NoSQL, and cloud database technologies

Worked with BI tools such as Tableau, Power BI, Looker, Shiny

Conceptual knowledge of data and analytics, such as dimensional modeling, ETL, reporting tools, data governance, data warehousing, structured and unstructured data.

Big Data Development experience using Hive, Impala, Spark and familiarity with Kafka (Preferred)

Familiarity with the Linux operating system (Preferred)

Exposure to machine learning, data science, computer vision, artificial intelligence, statistics, and/or applied mathematics

Agile /Digital Experience

Passionate about Agile software processes, data-driven development, reliability, and experimentation
Experience working on a collaborative Agile product team

Individual Skills

Self-motivated with strong problem-solving and learning skills
Flexibility to changes in work direction as the project develops
Excellent communication, listening, and influencing skills

Mindset & Behaviours

Demonstrated strong number sense, intellectually curious and willing to adjust position based on additional information
Strong work ethic; ability to work at an abstract level and gain consensus