

MICHAEL ANDERSON

Big Data Engineer

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Results-driven Big Data Engineer with over 5 years of experience in the energy sector, specializing in the development of data solutions that enhance operational efficiency and sustainability. My background includes designing data architectures that support the analysis of large datasets generated from energy production and consumption. I have successfully led initiatives to implement big data technologies that facilitate real-time monitoring and reporting, driving informed decision-making.

WORK EXPERIENCE

Big Data Engineer | Energy Solutions Corp.

Jan 2022 – Present

- Engineered data pipelines to analyze energy consumption patterns, improving efficiency by 20%.
- Developed real-time monitoring systems for energy generation data, enhancing operational visibility.
- Collaborated with engineering teams to identify data requirements for sustainability initiatives.
- Designed ETL processes to integrate data from multiple energy sources.
- Conducted predictive analysis to forecast energy demand, improving resource allocation.
- Provided insights that led to a 15% reduction in operational costs through data-driven strategies.

Data Analyst | Sustainable Energy Solutions

Jul 2019 – Dec 2021

- Analyzed energy usage data to identify trends and optimize energy consumption.
- Developed dashboards for reporting energy efficiency metrics to stakeholders.
- Collaborated with teams to ensure data accuracy and integrity across systems.
- Utilized SQL for data extraction and analysis, improving reporting capabilities.
- Participated in sustainability initiatives, providing data-driven insights.
- Supported the implementation of a new data warehouse, enhancing data accessibility.

SKILLS

Apache Spark Hadoop SQL ETL Data Visualization Energy Analytics Sustainability

EDUCATION

Bachelor of Science in Environmental Engineering

2015 – 2019

University of Energy

ACHIEVEMENTS

- Increased energy efficiency metrics by 30% through data-driven initiatives.
- Recognized for outstanding contributions to sustainability projects.
- Achieved a 20% reduction in operational costs through optimized energy management strategies.

LANGUAGES

English Spanish French