Avery Rodriguez

Big Data Engineer | Data Analysis | Cloud Solutions

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SUMMARY

With over 5 years of experience in big data engineering, I have developed a keen expertise in data analysis, cloud computing solutions, and large-scale data processing. My career highlights include leading a project that resulted in a 40% efficiency increase in data processing and implementing cloud solutions that significantly reduced costs.

EXPERIENCE

Big Data Engineer

Google

📅 01/2022 - Present   📍 Mountain View, CA

- Led the development of a scalable big data processing platform, handling over 100TB of data daily, enhancing data analysis capabilities.
- Implemented a cloud-based analytics solution that reduced data processing costs by 30%, by optimizing resource allocation and usage.
- Developed and maintained ETL pipelines for data ingestion, processing, and distribution, improving data quality and accessibility.
- Collaborated with cross-functional teams to integrate machine learning models into the data pipeline, increasing predictive analytics accuracy by 25%.
- Automated data quality checks, reducing data processing errors by 20% and ensuring high-quality data for analysis.
- Conducted comprehensive data analysis, uncovering key insights that led to a 15% increase in marketing campaign effectiveness.

Data Engineer

Amazon

📅 06/2019 - 12/2021   📍 Seattle, WA

- Designed and implemented a real-time data processing system, increasing data availability and supporting timely decision-making.
- Optimized data storage solutions, resulting in a 25% reduction in storage costs without compromising data integrity or accessibility.
- Collaborated with the analytics team to develop custom data models, enhancing data visualization and reporting capabilities.
- Managed the migration of legacy data systems to cloud platforms, ensuring seamless data integration and minimal downtime.
- Enabled automated data cleansing and enrichment processes, improving data accuracy and usability for analytics purposes.

SKILLS

Hadoop   Spark   Kafka   AWS

Azure   GCP   Python   SQL

NoSQL   ETL   Data Modeling

Machine Learning

CERTIFICATION

Certified Big Data Professional

This certification, offered by the Data Science Council of America, focuses on mastering big data engineering skills and technologies.

Apache Spark for Big Data Processing

A comprehensive course by Udemy that covers Spark architecture, data processing, and machine learning with Spark.

EDUCATION

Master of Science in Data Science

Columbia University

📅 01/2015 - 01/2017   📍 New York, NY

Bachelor of Science in Computer Science

University of Florida

📅 01/2011 - 01/2015   📍 Gainesville, FL

EXPERIENCE

Data Analyst

IBM

📅 03/2017 - 05/2019　📍 Armonk, NY

- Analyzed large datasets to identify trends and insights, contributing to strategic business decisions and a 10% increase in operational efficiency.
- Developed and maintained dashboards and reports, providing actionable intelligence to business stakeholders.
- Automated routine data analysis tasks, saving up to 20 hours per week for the analytics team.
- Collaborated with IT to enhance data collection and storage practices, ensuring data security and compliance.

Data Analyst

IBM

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