

# Avery Rodriguez

Big Data Engineer | Data Analysis | Cloud Solutions

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📍 Jacksonville, Florida

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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.

### 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.

## KEY ACHIEVEMENTS



### Project Lead on Efficiency Improvement

Led a project at Google that resulted in a 40% efficiency increase in data processing through innovative algorithm optimization.



### Data Quality Improvement

Developed an automated data quality check system at Google, reducing errors by 20% and ensuring high-quality data for analysis.



### Insight Discovery

Conducted comprehensive data analysis at IBM, uncovering key insights that led to a 15% increase in marketing campaign effectiveness.

## 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

# EDUCATION

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Bachelor of Science in Computer  
Science

University of Florida

01/2011 - 01/2015 Gainesville, FL