📄 Data Science Engineer

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Professional Summary

Results-driven Data Science Engineer with 5+ years of experience designing and deploying machine learning pipelines, building scalable data systems, and transforming business requirements into AI-driven solutions. Adept at working with cross-functional teams to deliver data products that enhance decision-making and customer experience.

Technical Skills

- **Languages & Tools**: Python, R, SQL, Scala, Bash

- **ML & AI**: Scikit-learn, TensorFlow, PyTorch, XGBoost, Mistral/Ollama (LLMs)

- **Data Engineering**: Spark, Hadoop, Airflow, Kafka, dbt

- **Cloud**: AWS (S3, Redshift, SageMaker), GCP (BigQuery, Vertex AI)

- **Other**: Git/GitHub, Docker, Kubernetes, CI/CD pipelines

Professional Experience

Senior Data Science Engineer
ABC Tech Solutions — San Francisco, CA
Jan 2021 – Present

- Designed and deployed scalable ML models for real-time fraud detection, reducing false positives by 35%.

- Implemented a distributed data pipeline using Spark + Airflow to process 2TB+ daily logs, improving data availability by 50%.

- Collaborated with product managers and data analysts to define metrics, A/B test features, and drive data-driven decision-making.

- Introduced MLOps best practices with Docker + Kubernetes, cutting model deployment time from 3 weeks to 5 days.

Data Science Engineer
Innovate Analytics — New York, NY
Aug 2018 – Dec 2020

- Built recommendation engines for e-commerce clients using collaborative filtering and deep learning, boosting user engagement by 20%.

- Automated ETL workflows and data validation pipelines with dbt and SQL, reducing reporting errors by 40%.

- Deployed NLP models to classify 1M+ customer support tickets monthly, cutting average resolution time by 25%.

Data Analyst (Intern → Full-Time)
DataWorks Inc. — Boston, MA
Jun 2016 – Jul 2018

- Conducted statistical analysis on customer churn datasets, uncovering insights that informed $2M retention strategy.

- Built dashboards in Tableau/Power BI for C-level executives, improving visibility into product performance.

Education

M.S. in Data Science — Columbia University, NY *(2016)*
B.S. in Computer Science — Boston University, MA *(2014)*

Certifications

- AWS Certified Machine Learning – Specialty

- TensorFlow Developer Certificate

- Data Engineering on Google Cloud

Projects (GitHub)

- **Resume Parser (Streamlit + NLP)** — Extracts and scores resumes based on job descriptions using Transformers.

- **Predictive Maintenance (IoT Data)** — Built ML pipeline to forecast equipment failures from sensor data.