






Data Science Engineer

Alex Johnson



San Francisco, CA



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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
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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.
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