**John Smith**

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**Professional Summary**

Results-driven **Data Engineer** with 6+ years of experience designing, building, and optimizing large-scale data pipelines and cloud-native infrastructure. Skilled in **Python, SQL, and distributed systems**, with a strong background in **machine learning integration, real-time analytics, and workflow automation**. Adept at collaborating across teams to translate business needs into scalable, production-ready solutions. Passionate about leveraging **AI systems** to improve decision-making and accelerate product innovation.

**Skills**

* **Programming & Data**: Python, SQL, Spark, Airflow, dbt, Pandas, PyTorch
* **Cloud Platforms**: AWS (Lambda, S3, Glue, EMR, Redshift), GCP (BigQuery, Dataflow)
* **Databases**: Snowflake, PostgreSQL, MongoDB
* **DevOps & Infra**: Terraform, Docker, Kubernetes, GitHub Actions
* **Specialties**: Data modeling, ETL/ELT pipelines, streaming data (Kafka, Kinesis), RAG applications, ML deployment

**Professional Experience**

**Senior Data Engineer**  
TechNova Inc. | Denver, CO | *2021 – Present*

* Architected and deployed **real-time data pipelines** on AWS to process millions of daily events, reducing latency from 5 minutes to under 10 seconds.
* Led migration from on-premise databases to **Snowflake + dbt**, cutting query times by 60% and enabling advanced analytics.
* Collaborated with ML engineers to build a **resume–job matching system** using embeddings and semantic search, improving recruiter efficiency by 40%.
* Mentored 4 junior engineers, introducing coding standards and Terraform modules for repeatable infra.

**Data Engineer**  
CloudWave Analytics | Boulder, CO | *2018 – 2021*

* Built scalable ETL workflows in **Airflow + Spark** to integrate data from 20+ external APIs.
* Designed **data lakehouse architecture** with S3 + Redshift Spectrum, lowering storage costs by 30%.
* Partnered with product teams to create dashboards and BI reports used by 200+ employees.

**Data Analyst**  
Summit Financial | Fort Collins, CO | *2016 – 2018*

* Automated daily reporting pipelines in **Python and SQL**, reducing manual work by 90%.
* Conducted ad-hoc analyses for portfolio risk and investment performance.
* Collaborated with IT to introduce **role-based access controls** and improve compliance.

**Education**

**B.S. in Computer Science** – Colorado State University, Fort Collins, CO

**Projects**

* **Semantic Resume Matcher** – Built a prototype system using **sentence embeddings + cosine similarity** to rank job postings against candidate resumes.
* **IoT Data Stream Processor** – Deployed a **real-time ingestion pipeline** on Kafka + Spark Streaming for predictive maintenance in manufacturing.