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Professional Summary

Big Data Engineer with 6+ years of experience in designing and implementing scalable data pipelines and analytics platforms. Skilled in distributed computing, real-time data processing, and cloud-based big data solutions. Passionate about building high-performance architectures to extract insights from large-scale datasets. Proven track record in cross-functional team collaboration and end-to-end data solution delivery.

Skills

- **Big Data Technologies:** Hadoop, Spark, Hive, HBase, Kafka
- **Data Processing:** Apache Flink, Apache NiFi, Apache Beam
- **Programming Languages:** Python, Scala, Java, SQL
- **Cloud Platforms:** AWS (EMR, S3, Redshift), GCP (BigQuery, Dataflow), Azure
- **Databases:** Cassandra, MongoDB, PostgreSQL, MySQL
- **DevOps & Tools:** Docker, Kubernetes, Airflow, Jenkins, Git, Terraform
- **Other:** Data Lake architecture, ETL/ELT design, CI/CD, Agile/Scrum

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Professional Experience

Big Data Engineer
DataNova Technologies, Paris, France
March 2021 – Present

- Designed and deployed real-time data pipelines using Apache Kafka and Spark Streaming.
- Built ETL workflows using Apache Airflow for daily batch processing from diverse sources.
- Migrated on-premise Hadoop jobs to AWS EMR, reducing infrastructure cost by 25%.
- Developed data models and optimized Hive queries for business reporting.
- Collaborated with data scientists to enable ML model training on large datasets.

Data Engineer
InnoData Solutions, Lyon, France
August 2018 – February 2021

- Developed and maintained Python-based ETL pipelines for data ingestion and transformation.
- Implemented data validation and quality frameworks using Great Expectations.
- Integrated Apache NiFi for ingesting IoT sensor data into HDFS and ElasticSearch.
- Participated in the creation of a central Data Lake for unified data access across departments.

Junior Data Engineer
Insight Analytics, Tunis, Tunisia
June 2016 – July 2018

- Supported data pipeline development in a Hadoop-based environment.
- Automated data ingestion from APIs and flat files into HDFS using Sqoop and Flume.
- Assisted in data cleansing and preprocessing for analytics dashboards.

Education

Master's in Big Data & Data Science
Université Paris-Saclay, France
Graduated: 2016

Bachelor of Computer Engineering
National Engineering School of Tunis (ENIT), Tunisia
Graduated: 2014

Certifications

- **Cloudera Certified Associate (CCA) Spark and Hadoop Developer**
- **AWS Certified Data Analytics – Specialty**
- **Google Cloud Professional Data Engineer**

Languages

- French: Native
- English: Fluent
- Arabic: Native

Projects

- **Real-Time Fraud Detection System:** Built a Spark Streaming solution to detect credit card fraud with latency under 5 seconds.
- **IoT Analytics Platform:** Designed a data pipeline for processing and visualizing real-time telemetry data from industrial sensors.
- **Customer 360 Dashboard:** Integrated data from CRM, ERP, and web analytics to build a unified customer view with near real-time updates.