

RAJAT GOEL

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Data Engineer with **8+ years of experience** in designing, building, and optimizing robust, scalable data pipelines and data-intensive applications. Skilled in tackling complex data architectural challenges and leading data initiatives. Proficient in **Python, Java, Spark, and SQL**, with deep expertise in data modeling, ETL/ELT development, data warehousing, and distributed data processing.

TECHNICAL SKILLS

Data Engineering & Processing: Spark, PySpark, Airflow, SQL, AWS Glue, AWS EMR, Apache Iceberg

Backend Development: Java, Spring Boot, JPA (Hibernate)

Data Stores & Messaging: Amazon Redshift, Data Lake (S3, Athena), Kafka, RabbitMQ, Elasticsearch, MySQL, MongoDB

Cloud, DevOps & Governance: AWS, Docker, Kubernetes, Git, Grafana, Prometheus, DataHub

WORK EXPERIENCE

Deutsche Telekom Digital Labs (Remote)

October 2020 – Present

Lead Data Engineer

- Led a team in building a robust Medallion-architecture data platform for T-Mobile's app, enabling advanced clickstream analytics for 40M weekly users and managing 56k TPS.
- Reduced AWS infrastructure costs by 20% (\$40K) via comprehensive analysis and targeted optimization strategies.
- Implemented a robust monitoring and alerting system that proactively identified issues in real-time data pipelines, enabling early intervention and ensuring reliable data flow.

OnGrid, Gurugram

April 2019 – October 2020

Senior Software Engineer

- Designed and implemented a high-performance **report generation platform leveraging CQRS and CDC** patterns, resulting in 60% faster report generation.
- Ideated and developed eLocker, a digital locker for secure issuance & verification of employment records.
- Developed a robust **Solr/Lucene**-based criminal record check system achieving a 10% false negative rate.

Azuga, Bengaluru

March 2017 – March 2019

Software Engineer

- Worked as a **full stack developer**, developing and optimizing frontend (jQuery and Angular v4) and backend for an IoT-based fleet management solution.
- Implemented a robust **authentication and authorization platform** utilizing Single Sign-On and OAuth2 protocols.
- Managed microservices infrastructure using Kong **API gateway**, ensuring security, monitoring, optimal performance and reliability.

OPEN SOURCE CONTRIBUTION

LinkedIn DataHub - Metadata Platform

- Added API key support for Metabase ingestion to enhance secure authentication
- PR - <https://github.com/datahub-project/datahub/pull/12711>

EDUCATION

Rajasthan Technical University, Jaipur - Bachelor of Technology

June 2016