

RAJAT GOEL

[+918988350157](tel:+918988350157) • rajatgl17@gmail.com • [linkedin.com/in/rajatgl17](https://www.linkedin.com/in/rajatgl17) • github.com/rajatgl17

Senior **Data Platform Engineer** with nearly **10 years of experience** building cloud-native data platforms, lakehouse architectures, and distributed backend systems. Strong hands-on background across **Spark, Iceberg, Airflow, Kafka, AWS data services, SQL, Java, Python, and Spring Boot**. Experienced in building high-scale clickstream analytics platforms, reducing cloud infrastructure costs, standardizing ingestion pipeline creation, improving platform reliability, and contributing to AI-assisted analytics capabilities.

TECHNICAL SKILLS

Data Engineering & Processing: Apache Spark, PySpark, Spark SQL, Apache Airflow, Apache Iceberg, Apache NiFi, Kafka, Trino/Presto

AWS Data Platform: S3, Athena, Redshift, EMR, Glue Data Catalog

Programming & Systems: SQL, Java, Python, Spring Boot, REST APIs, Microservices, MySQL, MongoDB

Observability & Governance: DataHub, Prometheus, Grafana

WORK EXPERIENCE

Deutsche Telekom Digital Labs (Remote)

Oct 2020 - Present

Senior Lead Engineer - Data Platform

Lead Engineer - Data Platform

Senior Data Engineer

- Currently contributing to architecture for **AWS-to-GCP** big data platform migration and a unified **data product** operating model.
- Designed and productionized a **State Machine** driven platform to standardize **ingestion pipeline** creation and reduce manual onboarding effort from days to hours.
- Led feature development for Magenta Owl, an **AI analytics** platform that enables natural-language querying, data retrieval, visualizations, and insights.
- Reduced AWS data platform cost by 24% by building internal **cost-analysis tooling** for Athena, EMR, and S3.
- Led development of the clickstream data platform for T-Mobile's T-Life mobile application, supporting analytics for an application serving approximately 40M weekly users and generating around 56K TPS at peak scale.
- Built **medallion lakehouse** layers using Apache Iceberg, Data Vault 2.0, and star-schema models for analytics consumption.
- Improved data platform reliability with monitoring and alerts for pipeline failures, Kafka lag, infrastructure issues, and production incidents using Prometheus, Grafana, and Zenduty.

Senior Software Engineer

Software Engineer

- Elevated system reliability and development velocity by integrating SonarQube **quality gates**, test coverage checks, linting standards, and pre-commit hooks into the CI/CD process.
- Developed **RESTful APIs** for RDK router provisioning and network service management in the OneBroadband platform.

OnGrid, Gurugram

Apr 2019 - Oct 2020

Senior Software Engineer

- Built core backend systems for OnGrid, an HR tech platform that automates background verification workflows.
- Redesigned and implemented the platform's report generation engine using **CQRS** and **CDC** patterns, cutting latency by 70%.

- Built a **Solr/Lucene** based criminal record verification system optimizing pattern matching to minimize false-negative rates

Azuga, Bengaluru
Software Engineer

Mar 2017 – Mar 2019

- Worked on high-concurrency Java backends to ingest and process real-time GPS telemetry data from 50k+ active vehicles, developing core product features like geofencing, speed/idling alerts, and driver scoring engines.
- Implemented authentication and authorization systems using **OAuth2** and **SSO**.
- Managed microservices infrastructure using Kong **API gateway**, ensuring security, monitoring, optimal performance and reliability.

PROJECTS & OPEN SOURCE

ODCS Validator

- Identified a lack of public tooling for the **Open Data Contract Standard** (ODCS) and built the first online validation utility for it.
- Secured the **#1 organic ranking on Google** for specialized ODCS validation queries and 200+ unique daily visitors.
- URL - odcs-validator.com and github.com/data-spec-labs/odcs-online-validator

LinkedIn DataHub

- **Open-Source Contributor** - Added API key authentication support for Metabase ingestion connector.
- PR - <https://github.com/datahub-project/datahub/pull/12711>

EDUCATION

Master of Business Administration
University of Mysore

2023 - 2025

Bachelor of Technology, Electronics and Communication Engineering
Rajasthan Technical University

2012 - 2016