Nikhil Dipendra Sahu

+91-9921495684| nikhilsahu6870@gmail.com | linkedin.com/in/nikhil-sahu | github.com/nikhildsahu | nikhilsahu.me

Technical Skills

Languages: Java (Core), Shell scripting
Database / Query Language: Oracle 19c, SQL, PL/SQL, HiveQL
Big Data Technologies: Apache Spark (with Java, Python / PySpark), Hive, HDFS (Hadoop)
Orchestration: Autosys, Shell Scripting
Tools Methodologies: Git, Jenkins, CI/CD (DevOps), Agile, JIRA Cloud, Linux

Experience

LTIMindtree July 2021 – Present
Senior Software Engineer *Pune, Maharashtra*

- Delivered end-to-end data engineering solutions for a global banking client in the regulatory reporting space (BFSI Risk).
- Designed scalable Spark (Java & Python) - based data pipelines and enrichment flows processing 100K+ records daily across regulatory modules.
- Collaborated with BAs, QA, DevOps, and stakeholders throughout Agile SDLC cycles.
- Owned critical modules: rule processing & recalculation, while mentoring juniors & leading reviews.
- Recognized with client appreciations and internal awards for key project contributions.
- Worked extensively on Big Data stack: Hive, HDFS, Spark, SQL and distributed data pipelines.

Projects

EMEA Regulatory Reporting : Rule Engine & Recalculation | *Banking (BFSI)* | *Risk & Compliance*

- Developed Spark pipelines for ingesting and enriching 100K+ records per day, generating reporting-ready merged datasets (RRD) stored in HDFS and accessed via Hive.
- Built a scalable Java + Spark rule engine to parse/evaluate 10K+ reporting taxonomy-based rules daily using Spark SQL expressions and Oracle-based metadata, with a fallback logic and audit logging.
- Led performance optimization of recalculation logic using various Spark optimization methods to improve performance by ~20%.
- Actively contributed to sprint planning, mentoring teammates, and ensuring code quality in Agile development cycles.

Local Regulatory Reporting : Feed Migration & Automation | *Banking (BFSI)* | Risk & Compliance

- Migrated complex regulatory reporting workflows from T-SQL to Oracle PL/SQL, Spark & HDFS, enabling scalable batch processing across 16+ country modules.
- Designed and implemented a supplementary data load (SDL) solution in Java, deployed across all modules to enhance recalculation logic with external user mappings.
- Built a PL/SQL rule validation engine for processing complex regulatory rules; optimized data structures and logic to reduce execution time from cubic to linear (O(n)) and improve scalability.
- Integrated Shell scripting with Autosys to automate file workflows and batch execution.
- Led reporting recalculation logic rewrite and performance optimization efforts, achieving ~20% faster turnaround on downstream reporting.
- Acted as module lead during critical delivery phases, mentoring peers, resolving showstopper issues, and ensuring BAU (Business as Usual) sign-offs across global teams.

Education

Shri Ramdeobaba College of Engineering & Management May 2017 – May 2021
Bachelor of Engineering in Computer Science and Engineering, ***CGPA : 9.2/10*** *Nagpur, Maharashtra*

Certificates

Oracle Certified Professional (OCP) Sept 2021
Java SE 11 Developer , 1Z0-819

Achievements/Awards

- IWin Star Award - LTIMindtree Q4 FY25
- Winner - Smart India Hackathon 2020 (Software Edition)
- Finalist - Smart India Hackathon 2019 (Software Edition)

For more details on my other project works, please visit my website. nikhilsahu.me