Lead Data Engineer | Aspiring Solutions Architect

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SUMMARY

Lead Data Engineer with 14+ years experience driving complex data transformations, building scalable analytics platforms, and leading high-performing engineering teams. Proven ability to architect and implement cloud-based data ecosystems, automate CI/CD deployments, and translate business needs into robust technical solutions. Seeking to leverage holistic data expertise and cross-team collaboration skills to transition into a Solutions Architect position.

PROFESSIONAL EXPERIENCE

Lead Data Engineer | Kellanova (formerly Kellogg's) | Hyderabad, IN | December 2020 – Present

- Designed and implemented a unified CI/CD DevOps framework for the organization using GitHub Enterprise and AWS CloudFormation, reducing production AWS resource deployment time by **up to 80%**.

- Led migration from Amazon Redshift stored procedures to dbt models, establishing automated data lineage for **over 100 procedures** across multiple regions.

- Architected and developed an end-to-end SKAI API integration and bulk data upload solution to support bid optimization initiatives for Kellanova's Europe business.

- Designed and implemented a Snowflake CI/CD framework leveraging the open-source tool Schemachange, streamlining the deployment of DDL, DML, and other Snowflake objects across the organization.

Senior Process Manager | eClerx Ltd | Mumbai, IN | August 2016 – December 2020

Client I: "European multinational online food-delivery service based in Berlin, Germany" – AWS Setup & Architecture
https://www.rijul.cloud/projects/Terraform.html

- Evaluated various proposals & recommended the best technical solution to develop the application in AWS

- Designed the architecture and authored the Terraform IaaC template to facilitate deployment

- Provided complete Infrastructure solution to client including end to end configuration and BOM of Server & Storage components

- Solution: Aurora Serverless RDS, EC2, S3, VPC, Terraform, GitHub

Client II: "Largest sportswear manufacturer in Europe, and the 2nd largest in the world" – Platform Migration, Automation
https://www.rijul.cloud/projects/DI.html

- Led onsite team of 10 members in Zaragoza, Spain for client engagement and delivery.

- Developed in-house capability using existing tool sets for fast delivery & enabled DevOps model

- Automated solution with high data quality and scalable architecture, eliminating third-party vendor and license costs (**saved $0.25 million**).

- Designed data model for multiple business units enabling data analysis for stakeholders.

- Solution: Exasol, Python, AWS EMR cluster, CI/CD – GitHub Actions

Client III: "Global Leader in Architecture, Engineering & Entertainment Software, HQ in USA" – Consumer Analytics

- Designed and developed ETL data pipelines from enterprise Data Lake

- Performed ad-hoc analysis and data pulls for e-commerce, marketing, and customer insights.

- Authored business cases and project management support for strategic initiatives.

- Understand the nature and format of data to decide on the structure for the data warehouse & identify what operations to be performed in order to have consistency in data imported from heterogeneous sources/systems

- Solution: Shell Scripting, AWS EMR cluster, S3 & Redshift for storage, CI/CD – GitHub Actions, Hive, PySpark

Client IV: "Trading leaders of Electro components in Europe & Asia Pacific" – Competitive intelligence, Retail pricing
https://www.rijul.cloud/projects/Hadoop.html

- Designed and deployed 6-node on-premise Hadoop cluster for data ingestion and processing (20 cores, 150GB RAM, 2TB storage).

- Created ETL Pipelines for 12 million+ inventory items of 43+ competitors and 30K product sku's

- Identified Price change patterns and monthly trends along with multiple KPIs like Stock status, Article matches, Percent difference

- Saved cost of around $100K which was previously spent in resourcing and ongoing support

- Solution: Hortonworks data platform, Hive, Pig, Sqoop, Shell, UNIX, Oozie for scheduling, SQL server

Client V: "eClerx in house capability building" – Product development, Center of Excellence
- Led center-of-excellence team for end-to-end data integration expertise.

- Headed data engineering & governance related projects from end-to-end implementations

- Strategizing data journey with customer's IT stakeholders

- Infiltrating technical understanding to developers and monitoring the deliverables

Hadoop Developer | Saksoft Ltd | May 2015 – August 2016

Project: "third-largest private-sector banks in India" – Customer Segmentation, Fraud Analytics
- Authored Sqoop jobs for data loading from ODS to Hive tables

- Wrote multiple data processing scripts for transaction and Text mining

- Authored Shell scripts for automation and batch jobs.

- Managed housekeeping activities of Hadoop Production and Development Cluster

Software Engineer | Small tech Firms | August 2010 – February 2015
- Began IT career as a Software Test Engineer, focusing on mobile application testing and quality assurance.

- Gained strong understanding of the software development life cycle (SDLC) and hands-on experience with Agile methodologies.

SOLUTION ARCHITECT TRANSITION HIGHLIGHTS

- Direct experience with cloud-based architecture strategy, policies, and standards.

- Led architectural design discussions with stakeholders, ensuring alignment with organizational goals.

- Good understanding of data governance, integration, scalability, and security frameworks.

- Enthusiastic about leveraging end-to-end data engineering expertise in large-scale solution & enterprise architecture.

KEY SKILLS

- Cloud Platforms: AWS (S3, Glue, IAM, Lambda, Cloud Formation, AWS amplify, Terraform – basics)

- Data Pipeline Tools: dbt

- Data warehouse: Snowflake

- Architecture & Modeling: Data Lake Design, Star/Snowflake Schema

- Programming: Python, SQL, Spark

- DevOps: CI/CD (GitHub Actions)

- Leadership: Team Mentoring, Cross-functional Collaboration, Technical Documentation

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (Certification expired; currently preparing to retake and re-certify)
- Databricks certified Data Engineer Associate (Valid through September 2027)

EDUCATION

- MBA in Marketing & General Management, ITM Business School, Mumbai, 2018 – 2010
- Bachelors of Engineering in Electronics & Telecommunications, CSVTU, Bhilai, 2006 – 2010