

SRIKRISHNA PRADEEP JORIGE

Senior Data Engineer - Data & AI Platforms (GenAI)

Hyderabad, India | [in LinkedIn](#) | jskpradeep.com | [+919603213599](tel:+919603213599) | srikrishnapradeep99@gmail.com

Professional Summary

Senior Data Engineer with 5+ years of experience designing and building enterprise-scale data platforms, cloud-native applications and AI-powered products. Experienced in delivering scalable data pipelines, distributed processing systems and production-grade AI applications using **Python, Java, SQL, Apache Spark, Cloud Technologies, Kafka, Docker, CI/CD, React** and modern **LLM frameworks**. Proven track record of partnering with business stakeholders to architect, build and deploy reliable, high-impact solutions from concept through production.

Skills

Programming & Frameworks: Python, PySpark, Java, SQL, Flask, FastAPI, AppScript, Streamlit, React

Data Engineering & Analytics: Apache Spark, Airflow, ETL & ELT, Kafka, HDFS, Dashboarding, Looker Studio, Tableau,

AI / GenAI: LangGraph, LangChain, MCP, RAG, pgvector, Pinecone, OpenAI, Claude, Prompt Engineering, Agentic AI, BMAD/SpecKit

Cloud & DevOps: Azure, Amazon Web Services, Google Cloud Platform, Docker, Terraform, Git, GitHub, Jira

Databases & Warehouses: PostgreSQL, Hive, BigQuery, Snowflake, Redshift, Azure Synapse, MySQL, GraphQL, DuckDB

Architecture & Data Foundations: Data Modeling, Data Lakes & Warehouses, Data Quality, Data Lineage, Data Governance

Software Engineering: Distributed Systems, Microservices, Backend Systems, SOLID, SDLC, Unit Testing, Agile Methodologies

Experience

Senior Data Engineer - [Indium Software](#) | Hyderabad, India | May 2025 - Present

- **Architected and built the 3P SSOT platform**, integrating workforce, operational, quality and financial data from multiple enterprise systems into a centralized data platform, enabling executive reporting across **78 projects, 500K+ tasks** and business-critical operational and financial KPIs.
- **Architected and developed Liftr AI**, an enterprise AI-powered data engineering platform integrating **5+ enterprise data source types** through a unified AI execution framework, reducing manual engineering effort by **~80%**.
- **Led modernization of enterprise data infrastructure**, transforming **150+ notebook-based workflows into 50+ production-grade Spark pipelines**, reducing pipeline failures by **70%** while mentoring **6-8 engineers** and driving engineering best practices.
- **Engineered configurable data ingestion and AI-assisted automation frameworks** using Python, Spark, SQL, Hive, Airflow and LLMs, accelerating onboarding of enterprise data sources while improving data quality, governance, and operational efficiency.

Data Engineer - [Indium Software](#) | Hyderabad, India | June 2024 - May 2025

- **Designed and developed scalable Spark-based ETL pipelines** supporting competitive intelligence, pricing analytics, and operational reporting across **45 global markets**, enabling reliable business insights for strategic decision-making.
- **Migrated 16 production ETL pipelines** from Hive to Apache Spark with **zero downtime** and **100% data integrity**, improving maintainability and long-term platform scalability.
- **Designed and developed the CQIA Report Automation platform** using Python, Google Apps Script, and Google Workspace, automating **3,000+ quality reports** and reducing report generation time from **2-3 hours to under 10 minutes**.
- **Built scalable ingestion frameworks** onboarding **12 external data feeds with 10 vendors**, implementing automated schema validation, data quality monitoring and production observability to eliminate manual onboarding while ensuring reliable trusted data delivery.

Software Development Engineer - [Modak](#) | Hyderabad, India | Jan 2020 - Aug 2022

- **Developed multi-threaded metadata crawlers in Java** for **7 enterprise cloud platforms** (Snowflake, BigQuery, Redshift, Azure Synapse, ADLS Gen2, Amazon S3, and Google Cloud Storage), integrating **Apache Kafka** event-driven workflows to trigger scheduled metadata discovery jobs.
- **Built a cloud-native deployment framework** by containerizing Nabu services with **Docker**, implementing **GitHub Actions CI/CD** pipelines to automatically build and publish images to **Amazon ECR** and architecting a **Terraform-based one-click Azure deployment** that reduced infrastructure provisioning and release effort by **~70%**.

Education

Master of Science in Artificial Intelligence - [Queen Mary University of London](#) | London, UK | 2022 - 2023

- Dissertation: *Conversational AI using Retrieval-Augmented Generation (RAG)*.

Bachelor of Engineering in Computer Science - [Osmania University](#) | Hyderabad, India | 2016 - 2020

Projects

AI Data Modeling Assistant

- **Designed and developed a full-stack AI-powered data modeling platform** using **React, FastAPI, LangGraph, DuckDB, and pgvector** to automate schema generation, data profiling and engineering artifact creation through an intuitive web interface.
- **Implemented a RAG-powered orchestration engine** supporting **10 data modeling methodologies, 20 MCP tools, and 4 deployment targets**, enabling automated generation of production-ready data warehouse schemas, SQL artifacts, and engineering documentation.

Certifications

Databricks Data Engineer Professional (Pursuing) | Azure Data Scientist -Associate | Snowflake (Data Warehouse & Applications)