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# James Lobo

## Senior Data Engineer

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### Summary

- Results-driven Senior Data & Software Engineer with **6 years** of experience in **cloud-native ELT pipelines**, **Java development**, and **data engineering** in regulated sectors like banking.
- Proven expertise in **AWS**, **Apache Airflow**, **Docker**, **Kubernetes**, **Flink**, **Spark**, **Kafka**, and **CI/CD** practices. Adept at solving complex data problems using modern tools such as **Snowflake**, **dbt**, **Terraform**, and **Python**.
- Demonstrated leadership in delivering resilient, production-grade systems under agile and ambiguous environments.
- Strong understanding of **REST APIs**, **debugging**, and **performance optimization**, with exposure to **CI/CD** and **cloud (AWS/Azure)**. Adept at balancing support SLAs and development deliverables in Agile setups.
- Currently on notice period; **available** to join **from September 2, 2025**.

### Professional Experience

#### Senior Manager – Data & Software Engineer

Axis Bank

Aug 2020 - Present

Mumbai

- Designed and deployed **AWS-based ELT pipelines** using **Flink**, **Spark**, and **Airflow**, integrating structured/unstructured data into **Snowflake** and **PostgreSQL** for enterprise reporting.
- Spearheaded containerized microservices using **Docker** and **Kubernetes**, enhancing scalability and resilience of ingestion platforms.
- Built secure and production-grade APIs using **Spring Boot**, **OAuth2**, and **API Gateway**, enabling seamless integration across platforms.
- Automated CI/CD pipelines via **Jenkins** and GitOps, reducing deployment time by 60%.
- Architected **event-driven services** with **Kafka** and **AWS Lambda**, driving real-time decision-making.
- Led IaC initiatives using **Terraform** and **Helm**, improving infrastructure consistency across environments.
- Mentored two pods (4+ engineers) on performance optimization and cloud-native architecture patterns.
- Ensured compliance through data governance and observability tools like **CloudWatch**, custom metrics, and **RCA dashboards**.

#### Intern - Java Developer

BNP Paribas India Solutions

Jan 2020 - Jun 2020

Mumbai

- Built core backend modules in Java/Spring for the internal HRMS platform using **Oracle SQL**.
- Collaborated using Agile workflows (JIRA, Bitbucket, Sourcetree) to deliver on-time functional modules.
- Improved system reporting by optimizing complex SQL joins and views for the PeopleMine application.

#### Intern – App Developer

Trebe

Feb 2019 - Apr 2019

Mumbai

- Developed an offline-first Android travel companion app with **SQLite** and **Google Maps APIs**, enhancing user experience in low-connectivity areas.

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## Technical Skillset

- **ELT/ETL Pipelines:** PySpark, Informatica, dbt, SQL, Oracle, PostgreSQL
- **Cloud & DevOps:** AWS (Lambda, S3, EC2, RDS, CloudWatch), Docker, Kubernetes, Jenkins, Terraform
- **Data Engineering Tools:** Apache Airflow, Kafka, Spark, Flink, Hive, HDFS
- **Infrastructure as Code:** Helm, Kustomize, Terraform
- **Programming & APIs:** Python, Java, Shell Scripting, Spring Boot, FastAPI, REST, GraphQL
- **Orchestration & CI/CD:** Jenkins, Git, Bitbucket, Confluence, ServiceNow
- **Data Warehousing:** Snowflake, SQLAlchemy (basic)
- **Security & Identity:** OAuth2, JWT, IAM
- **Agile Practices:** Scrum, Sprint Planning, Cross-Functional Teams

## Education

### Master of Computer Applications (MCA)

Sardar Patel Institute of Technology, Mumbai – Mumbai University

*Aug 2017 - Jun 2020*

**CGPA:** 8.46 / 10

### Bachelor of Computer Science

HPT Arts & RYK Science College, Nashik – Savitribai Phule Pune University

*Jun 2014 - Feb 2017*

**Score:** 74.73%

## Professional Achievements

- **Serverless Data Ingestion:** Architected event-based AWS Lambda pipeline reducing infra cost by 30%.
- **API Modernization:** Transitioned legacy Java APIs to microservices using Spring Boot & IBM API Connect.
- **Leadership Program:** Selected from 15,000+ employees for Axis AHEAD Leadership Program (2023).
- **Platinum Learner:** Recognized for delivering regulatory-aligned BI solutions in 2024.

## Certifications

- Agile Software Development
- IBM Data Engineering
- IBM Generative AI Engineering
- Generative AI for Java and Spring Developers Specialization