

GenAI Product Manager Interview Prep: Topics & Demos

Topic	Demo & PM Angle
Data Pipeline Observability with GenAI	Demo: Extend IsolationForest anomaly detection for Splunk logs into a GenAI dashboard. PM Angle: Reduced MTTR, improved SLAs, stronger customer trust.
Data Lineage Visualization using Knowledge Graphs	Demo: Kafka + Spark + Neo4j lineage tracking with chatbot interface (RAG on metadata). PM Angle: Regulatory compliance & reduced audit costs.
GenAI for Data Governance (Policy Enforcement)	Demo: LLM parses compliance policies (GDPR/HIPAA) → outputs SQL/Python validation rules. PM Angle: Reduced manual work & compliance risks.
Semantic Search & Data Discovery	Demo: Kafka + embeddings for enterprise semantic data catalog search. PM Angle: Faster data discovery, less duplication, improved productivity.
LLM-Augmented Data Quality Management	Demo: IsolationForest detects anomalies → LLM suggests imputations/deduplications. PM Angle: Cost reduction & better model accuracy.
GenAI-Augmented Data Migration & Modernization	Demo: AI-assisted DB2 → CockroachDB migration with schema mapping, drift validation. PM Angle: Faster migration, fewer errors, smoother cloud adoption.
RAG for Real-Time Data Governance Assistance	Demo: Slack/Teams bot answers governance queries using lineage + policies from KB. PM Angle: Faster decision-making & reduced governance bottlenecks.
Multi-Agent Orchestration for Data Ops	Demo: Multi-agent system (n8n/FastAPI): Monitor pipeline, validate governance, reconfigure. PM Angle: Scalability, ROI, resiliency.