Enterprise Data Lake for Medical Data Processing Company Architecture Ingestion Layer Storage Layer **Processing Layer Serving Layer** Streaming Real-time queries Data Amazon Kinesis Data Streams **AWS** Lake Amazon Kinesis ≱D≡ Formation Data Analytics Amazon Kinesis Data Firehose **AWS Transfer** Family for Glue Data SFTP AWS Glue Catalog tables AWS Glue Amazon Athena crawler crawler **3**Punqi **AWS** Users Database Apache Airflow Migration Service AWS S3 AWS \$3 Raw Amazon Curated SageMaker Amazon EMR AWS Glue Hadoop Spark ETL HIVE resto Amazon Glacier Aurora Replicas Tableau Dashboards Amazon Aurora cluster **PostgreSQL**