

# MLOps Pipeline for Fraud Detection

This diagram shows the MLOps lifecycle for managing a fraud detection model. 1. Data Collection: Historical transactions and streaming logs stored in S3. 2. Feature Engineering: AWS Glue or Spark transforms raw data for model input. 3. Model Training: SageMaker or MLflow trains and evaluates ML/DL models. 4. Model Registry: Models are versioned and stored for deployment. 5. Deployment: Docker, ECS, or EKS deploy models as microservices. 6. Monitoring: CloudWatch monitors latency, drift, and retraining triggers. This setup enables continuous delivery of accurate fraud detection models.