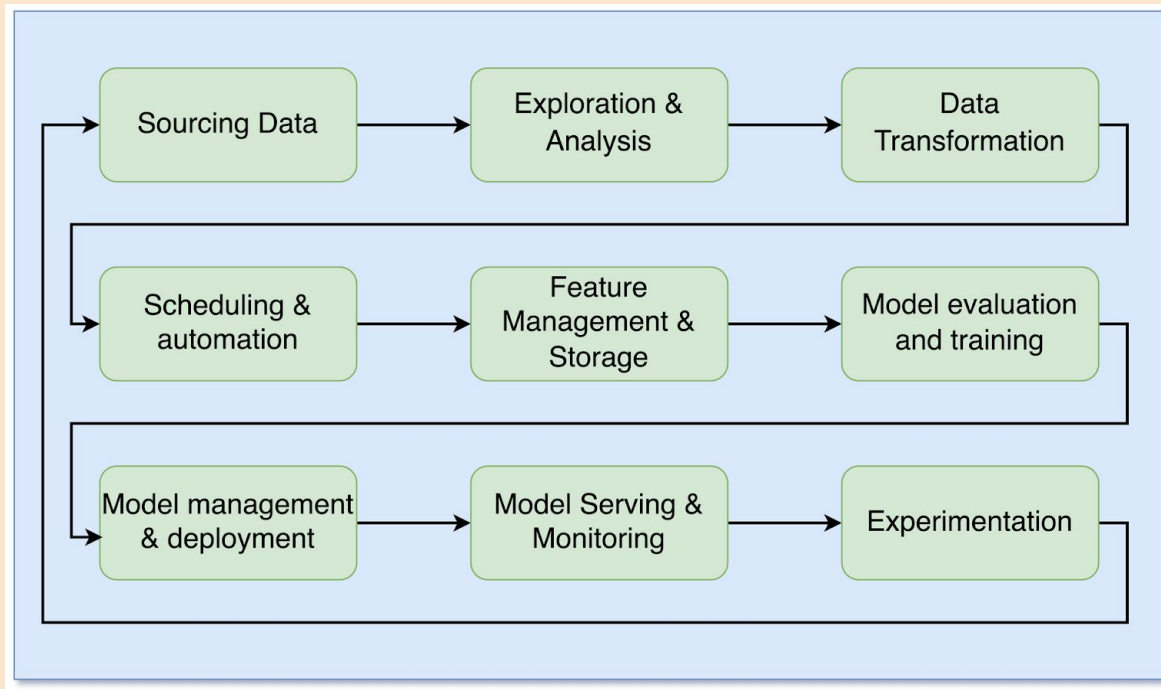# Operationalising MLOps on AWS

Joinal Ahmed
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AWS Community Builder - ML
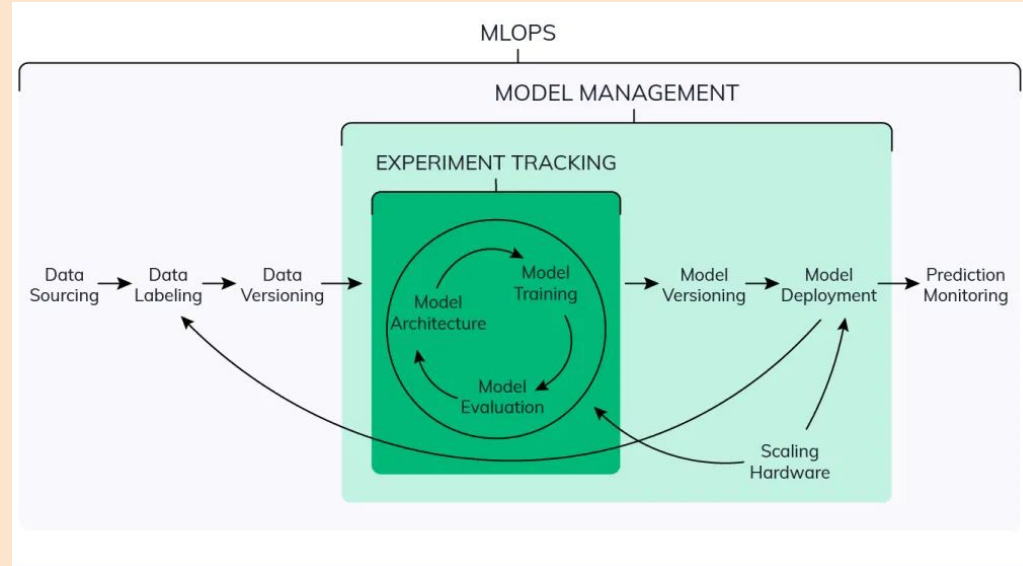
Machine Learning Life Cycle
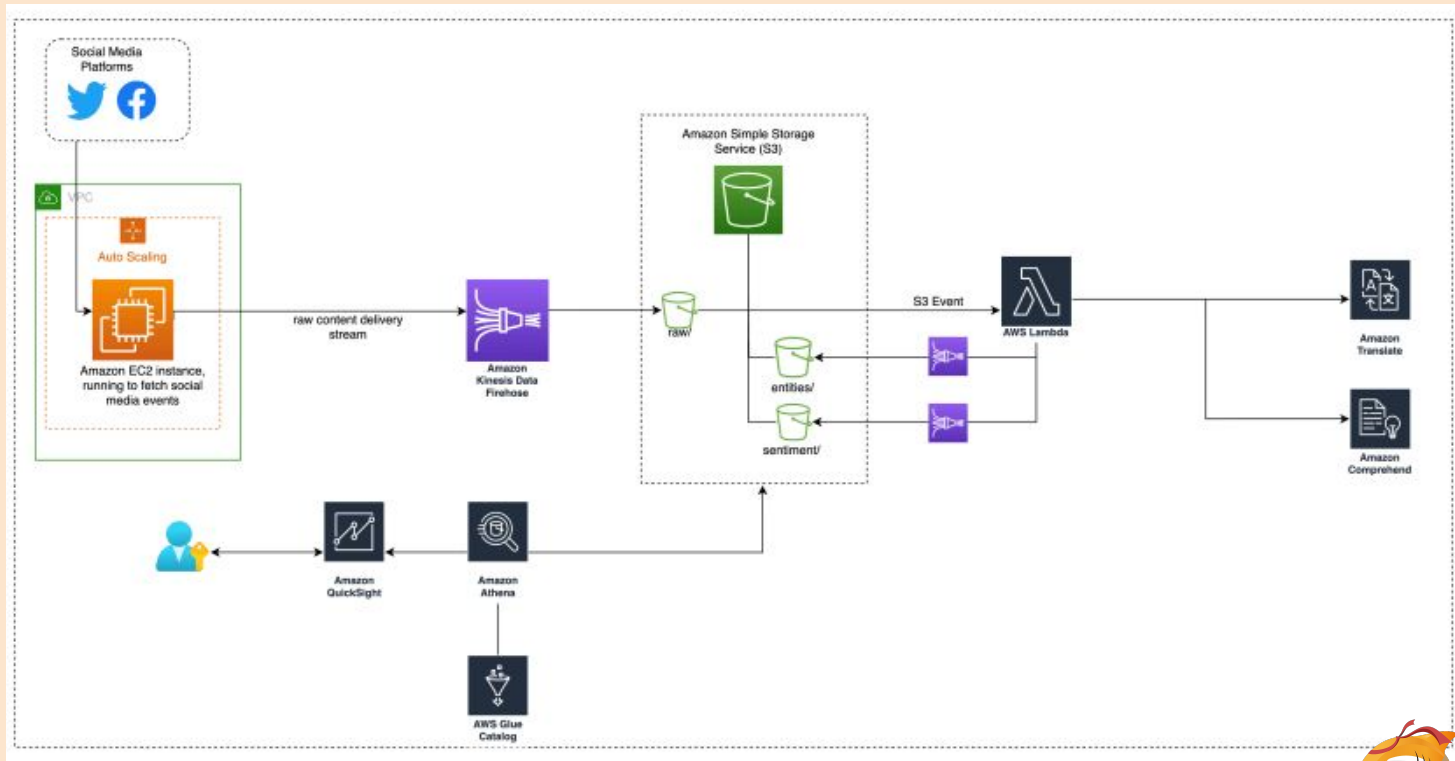
MLOps Platform : Key Components

- Version Control for ML Code, Data and Experiments.
- Network Layer for securing data transfers.
- ML Workloads :
    - AI Services
    - ML Services
    - ML Frameworks & Infrastructure
- IaaC for automating cloud resources for ML Workloads.
- ML (Training / Retraining) pipeline.
- Orchestration tool to run workloads.
- ML & Data Monitoring framework.
- ML Governance for track, compare and reproduce experiments.
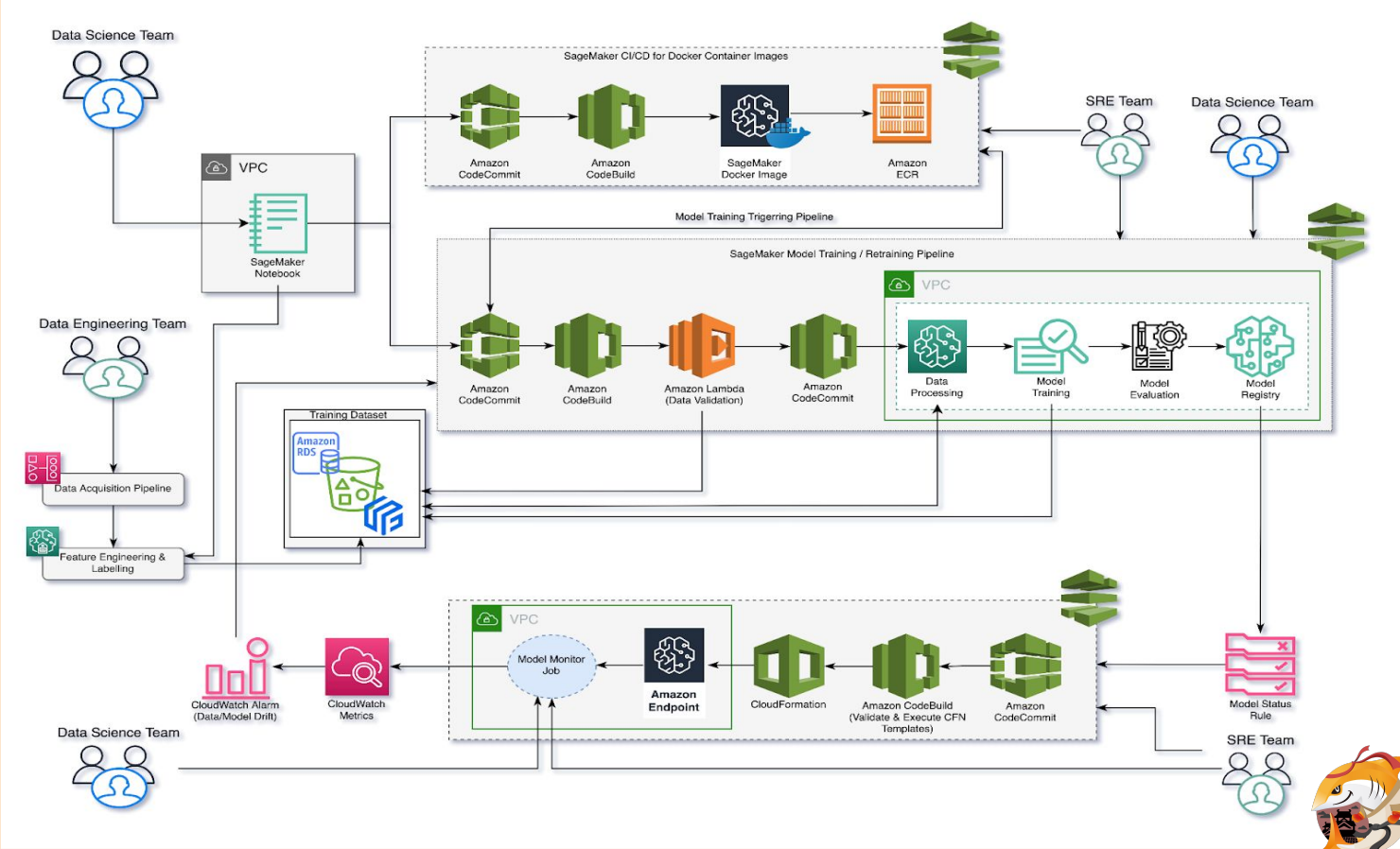- Data platform to store and retrieve data for inference and training

Building Solutions using AI services

Social Media Data Analysis

Recommended MLOps Platform

Detailed Blog : https://dev.to/aws-builders/mlops-on-aws-236h

References :
- [AWS MLOps Framework | Implementations | AWS Solutions](#)
- [Harnessing the power of Machine Learning to fuel the growth of Halodoc](#)
- [MLOPs with Amazon Web Services](#)
- [Amazon SageMaker Documentation](#)
- [Introducing MLOps [Book]](#)
- [ML Ops: Machine Learning Operations](#)
- [A Practical Guide to MLOps in AWS Sagemaker — Part I](#)