



# Machine Learning Development Life Cycle



# Model Training



# Data Preparation



# Evaluation

---





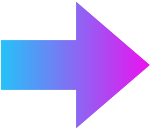
# Deployment

---

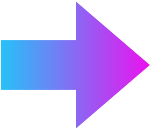


# Data Collection

















# SQL





FEAST



TensorFlow



PyTorch





dmk

XGBBoost



LightGBM





NumPy







TensorBoard









# Feature Engineering

---



Containers at scale

---















Data Engineer



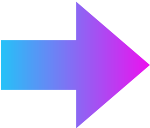
Data Scientist







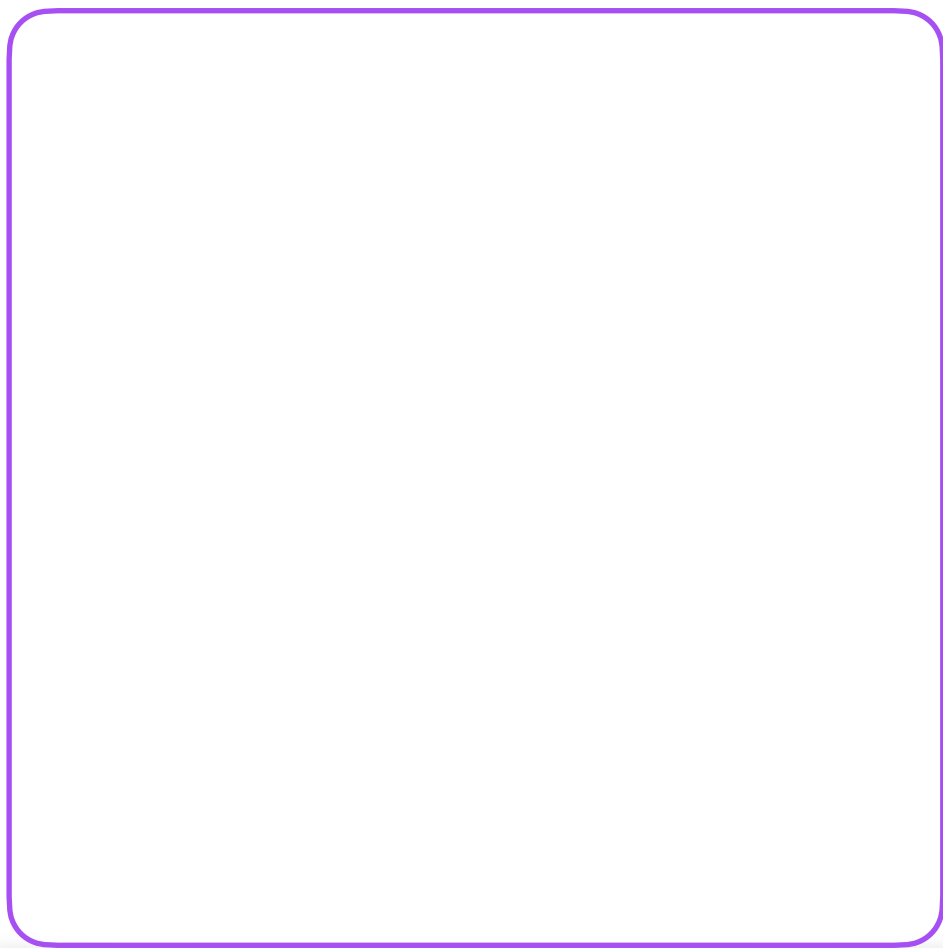
MLEngineer





4 common problems with scaling ML

Why data science teams need MLOps?

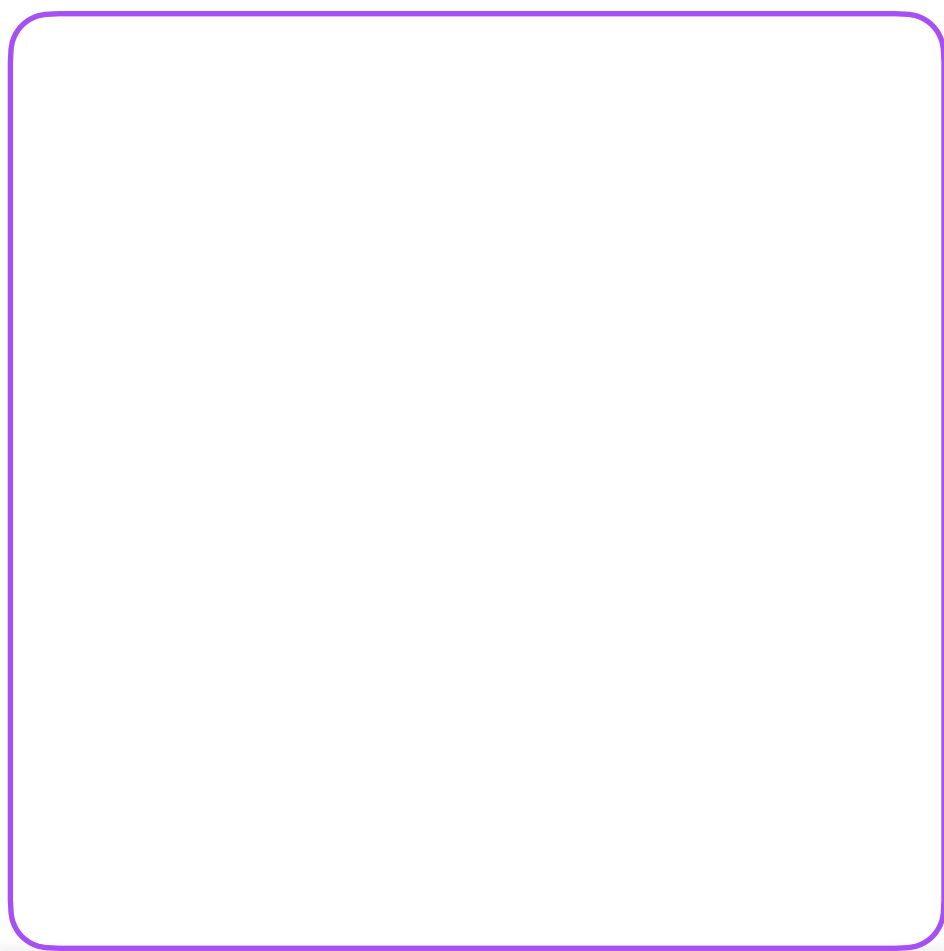


- Mundane steps with lots of



boilerplate

# Getting started

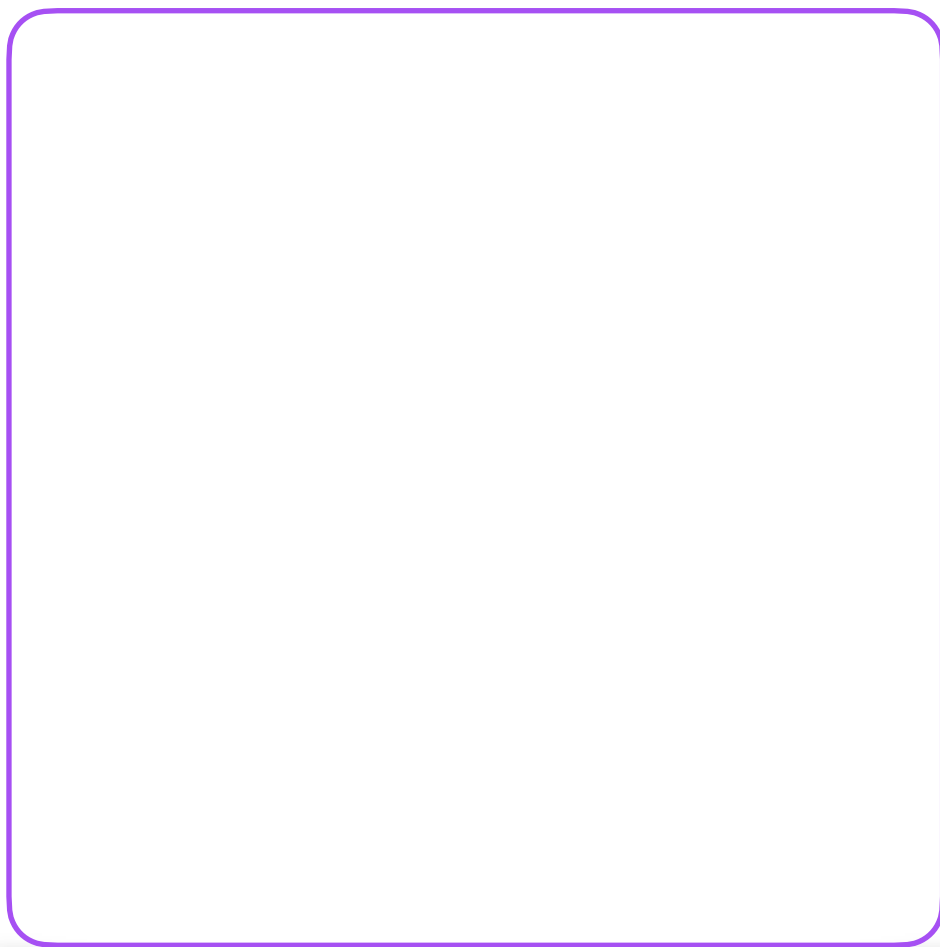


development

**Iteration speed**

- Slow, redundant iterative

- Long time-to-market

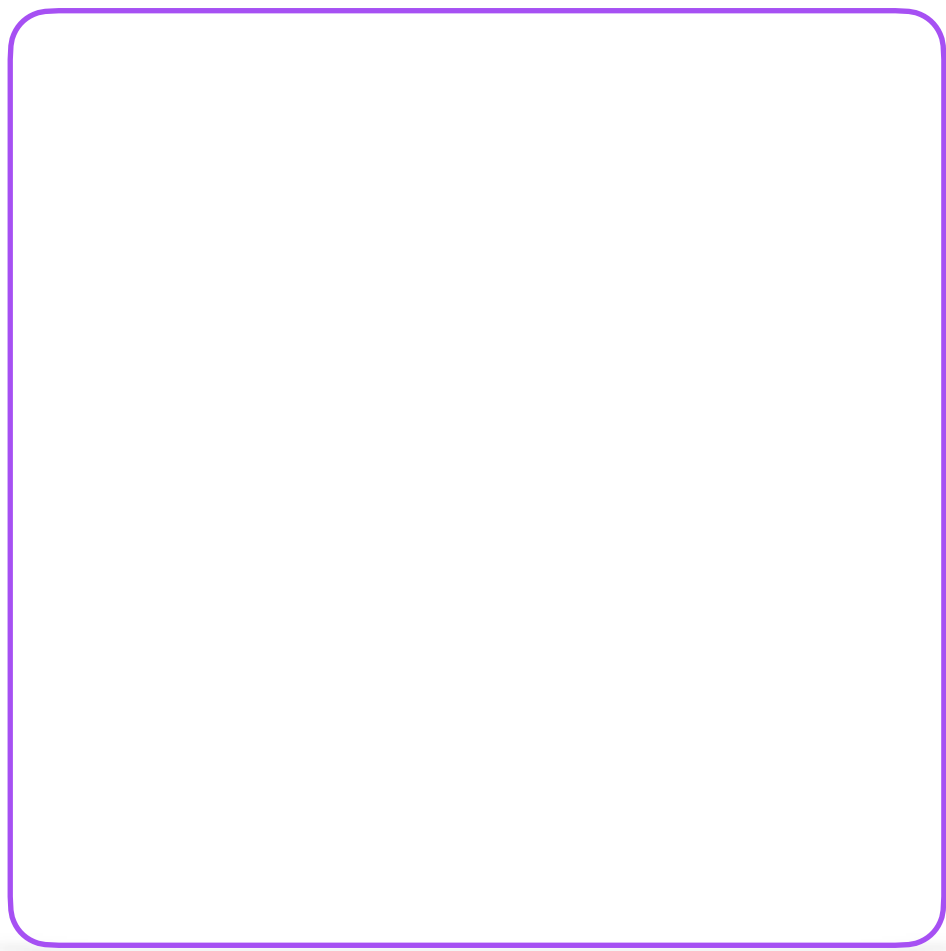




- Team growth

# Collaboration

- Different skills and background



- Handoff to production is

- Need to reduce operating costs

manual and bottlenecked

- Difficulty to reproduce and



control experiments

# Productionization







Amazon  
S3













