



# Machine Learning Development Life Cycle



# Model Training



# Data Preparation



# Evaluation

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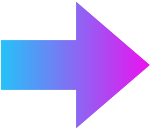
# Deployment

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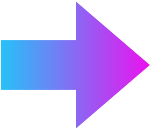


# Data Collection

















# SQL





FEAST



TensorFlow



PyTorch





dmk

XGBBoost



LightGBM





NumPy







TensorBoard









# Feature Engineering

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Containers at scale

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Data Engineer

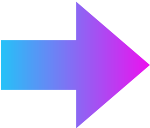
Data Scientist







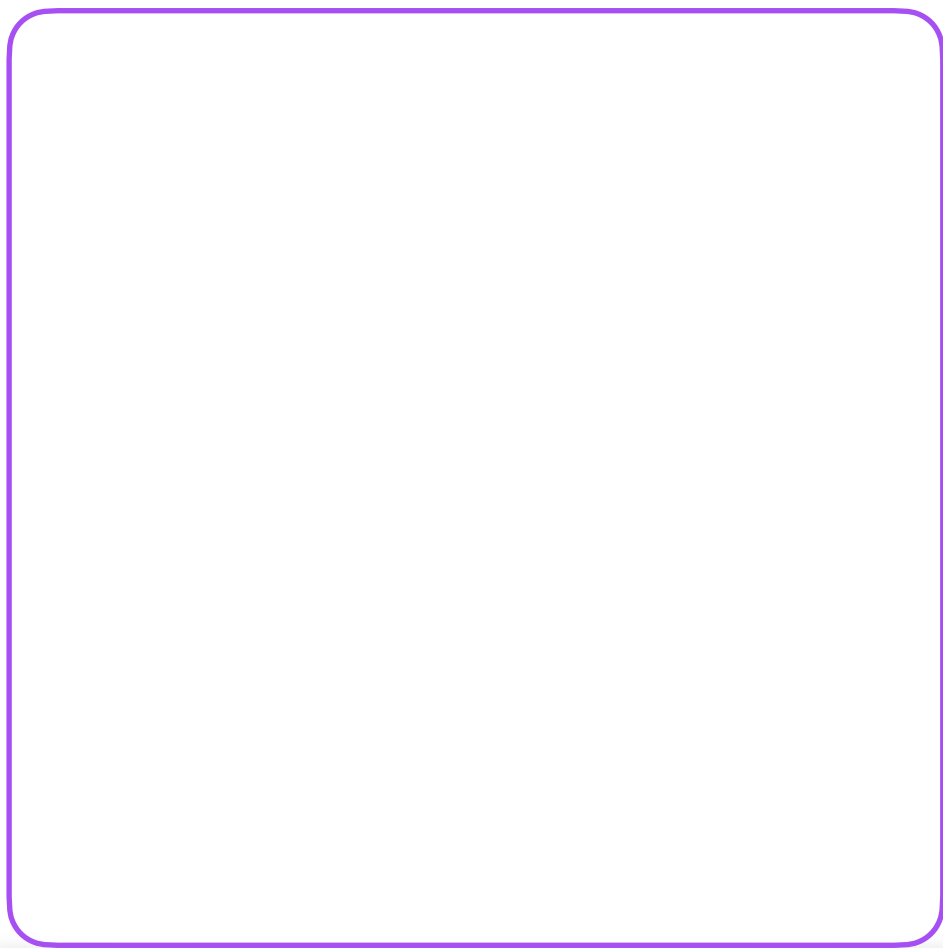
MLEngineer





4 common problems with scaling ML

Why data science teams need MLOps?

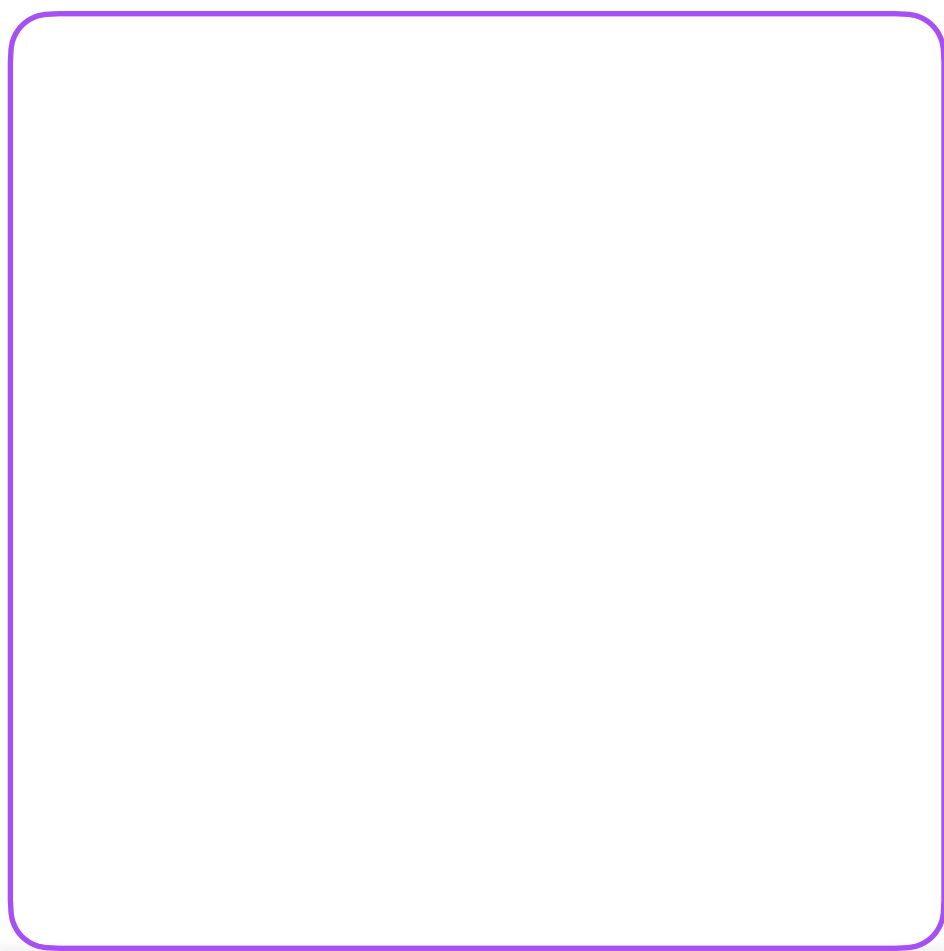


boilerplate



- Mundane steps with lots of

# Getting started

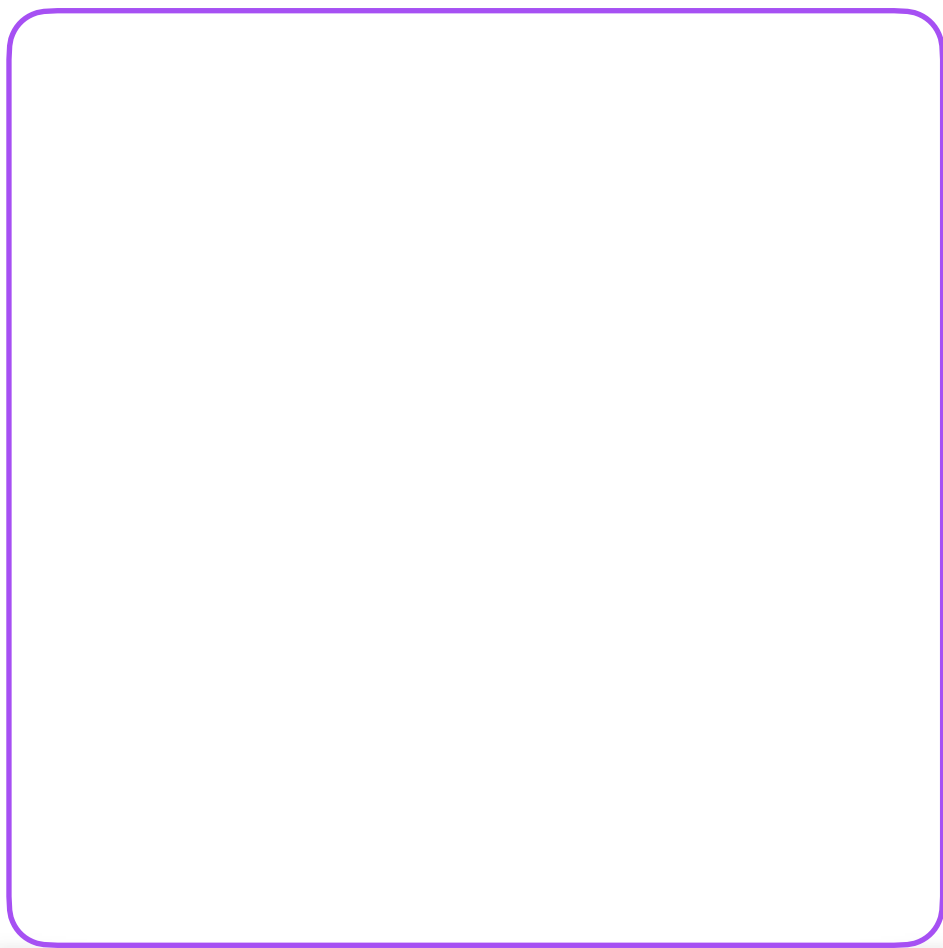


- Long time-to-market

**Iteration speed**

development

- Slow, redundant iterative

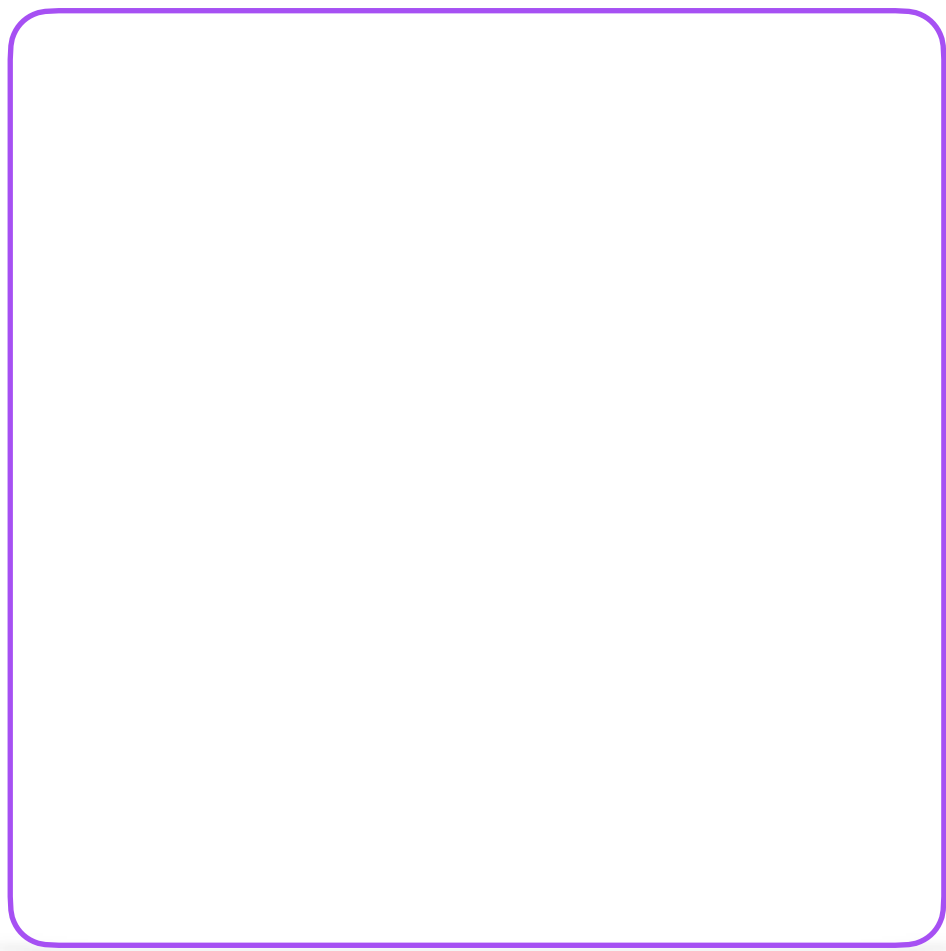




- Team growth

- Different skills and background

**Collaboration**



manual and bottlenecked

- Difficulty to reproduce and

# Productionization

- Handoff to production is



control experiments

- Need to reduce operating costs







Amazon  
S3













