Recap

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Experiments → Stacking Regressor

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LightGBM + RF → DVC Pipeline

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Evaluation → Log on mlflow. → Run id, Model name → Model register

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Staging

app.py → Fast API → testing /docs

Staging → Load + Preprocessor load

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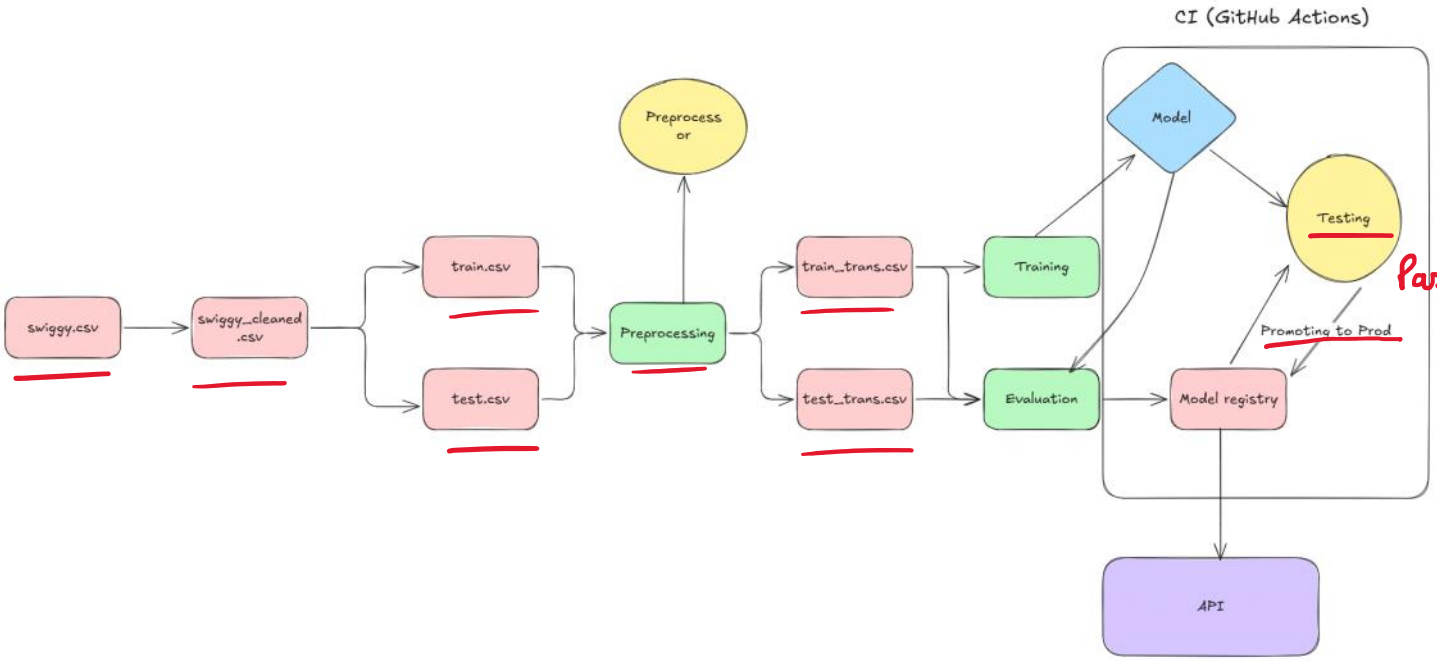
Cleaned data → Predictions.



① Cleaned data ∝ Raw data → Original

app.py → Column names → dtypes

Original → cleaning → model → predictions.

Preprocessing → prediction

② Testing → Model Register → load

→ Model load → Performance → MAE

← Max Threshold Error → Test will fail

less

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Promote → Staging

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Production

Understanding the CI Flow

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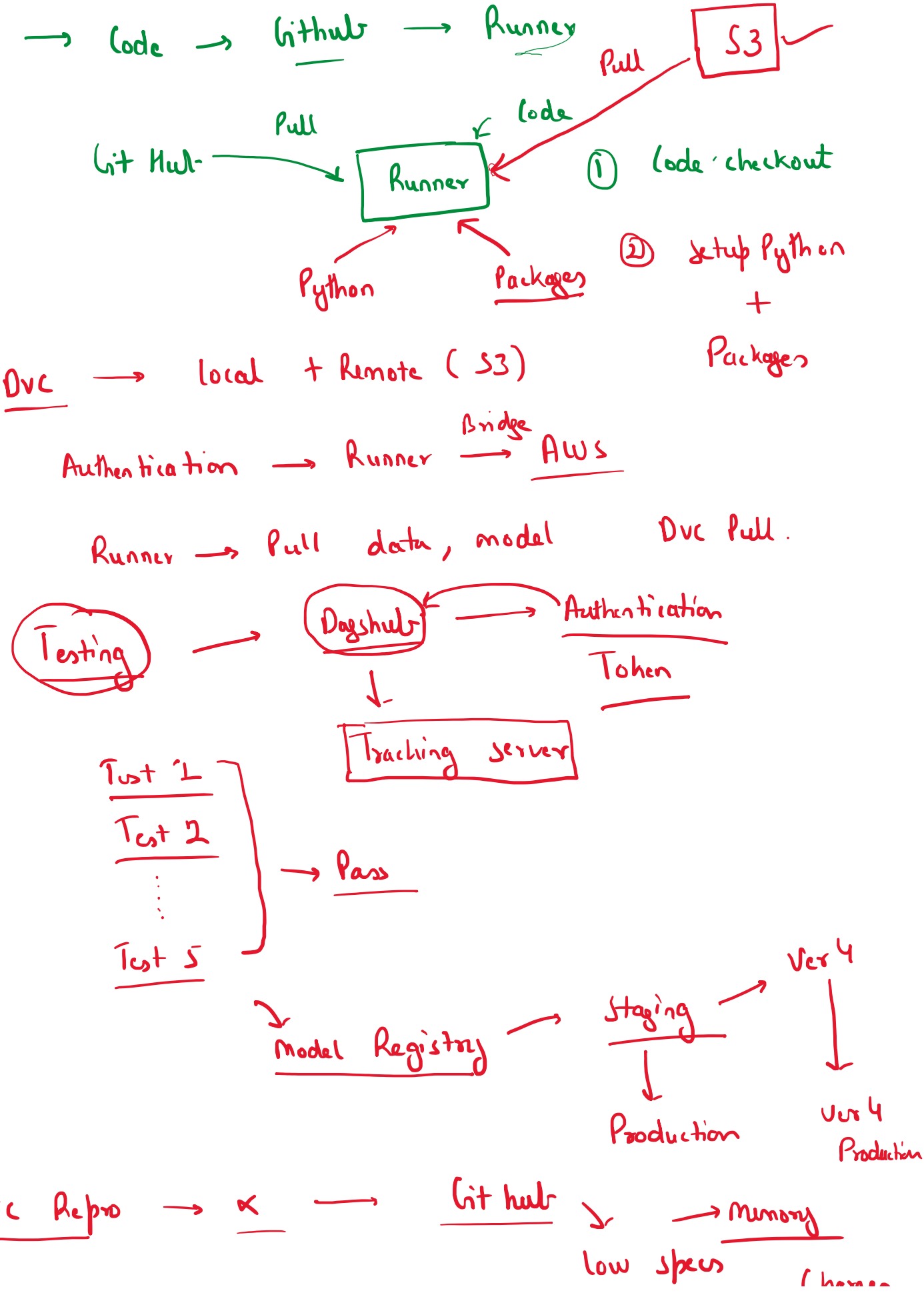

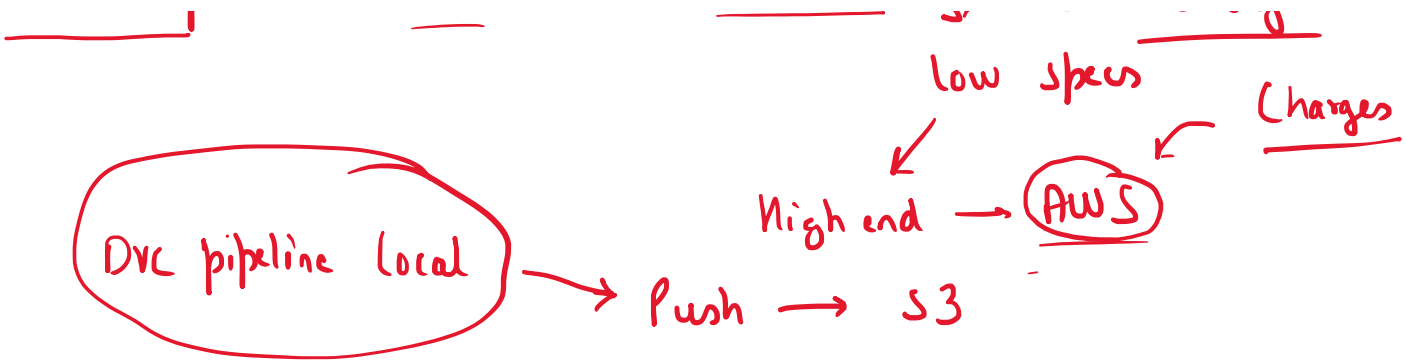
low specs
Charges
High end
AWS
DVC pipeline local
Push
S3