AWS re:Invent

AMZ306

Amazon.com automates machine learning life cycle on AWS

Fei Yuan
Senior Software Engineer
Amazon Consumer Payments

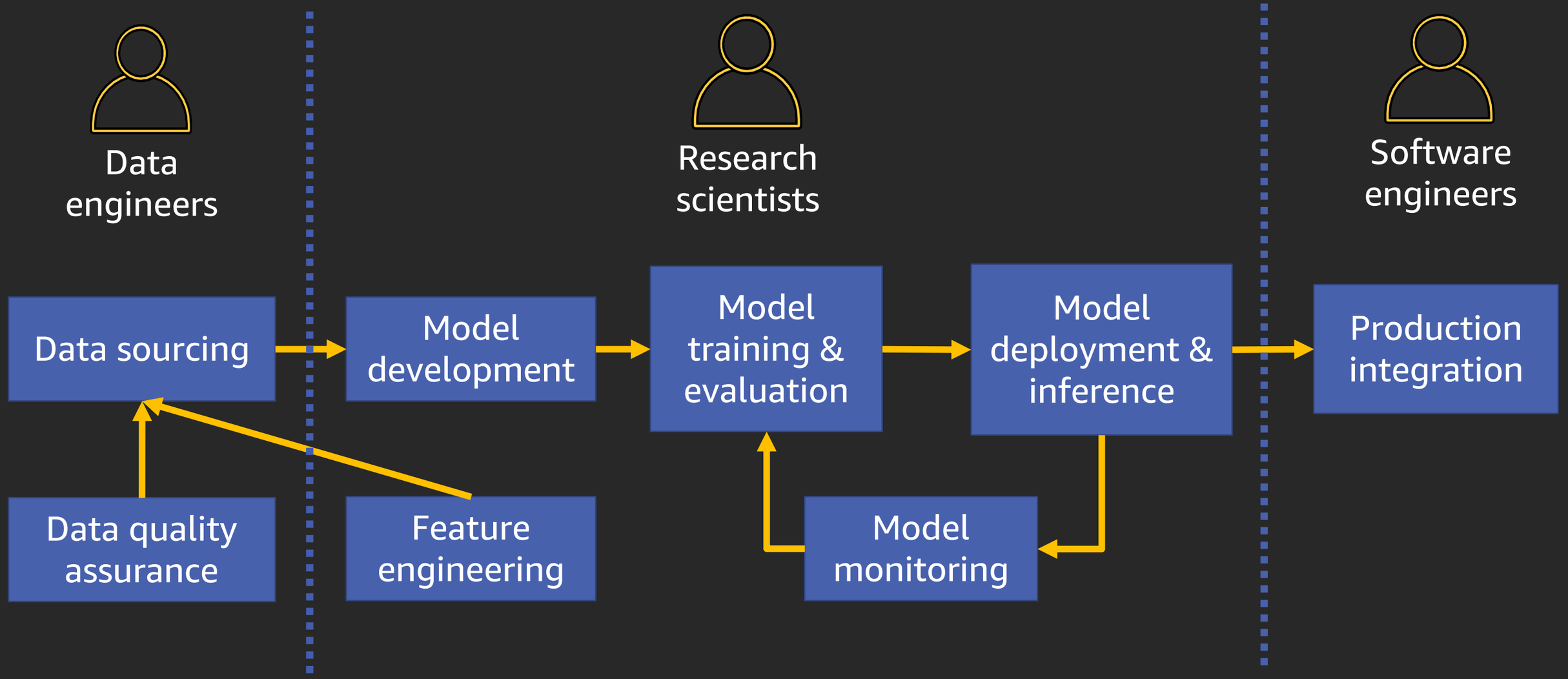
Kieran Kavanagh
Senior Solutions Architect
Amazon Web Services

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Agenda

- Overview of machine learning model development life cycle (MDLC)
- Deep dive into how Amazon.com automates MDLC

Model development life cycle (MDLC)



Solution: MDLC workflows

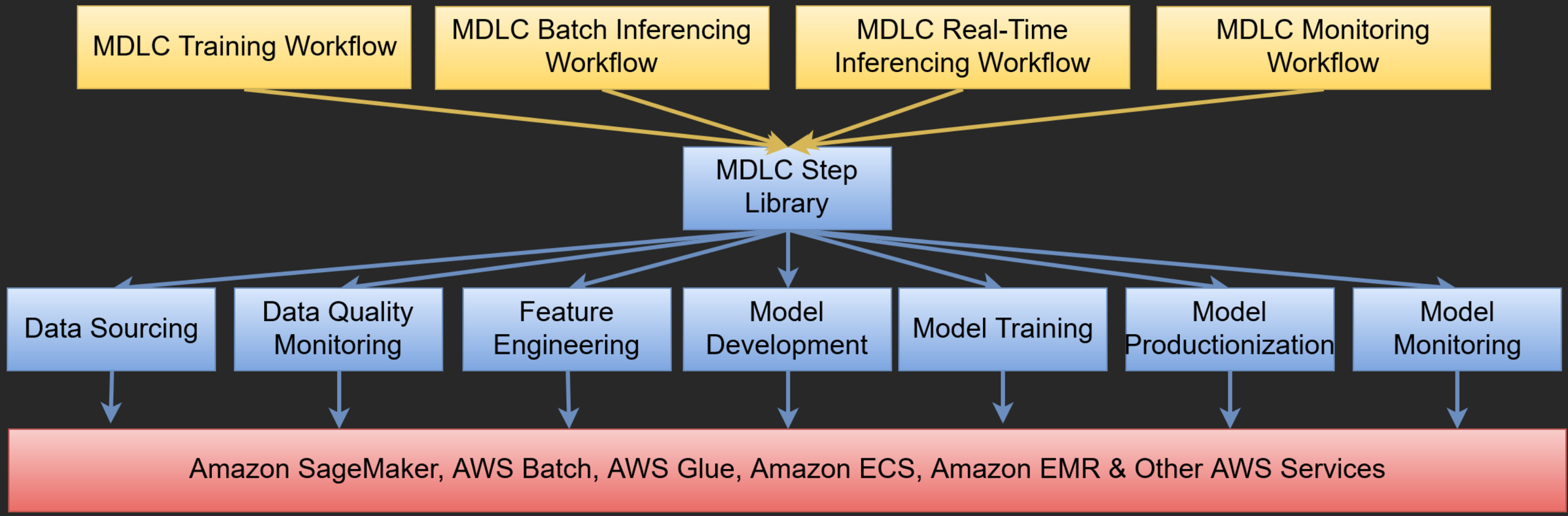
What are MDLC workflows?

- Templates for automating the ML model life cycle
- Built by using Amazon SageMaker, AWS Step Functions, and other AWS services

Templates for:

- Model training
- Batch inference
- Real-time inference
- Model monitoring
- Model retraining

MDLC workflows: high-level components

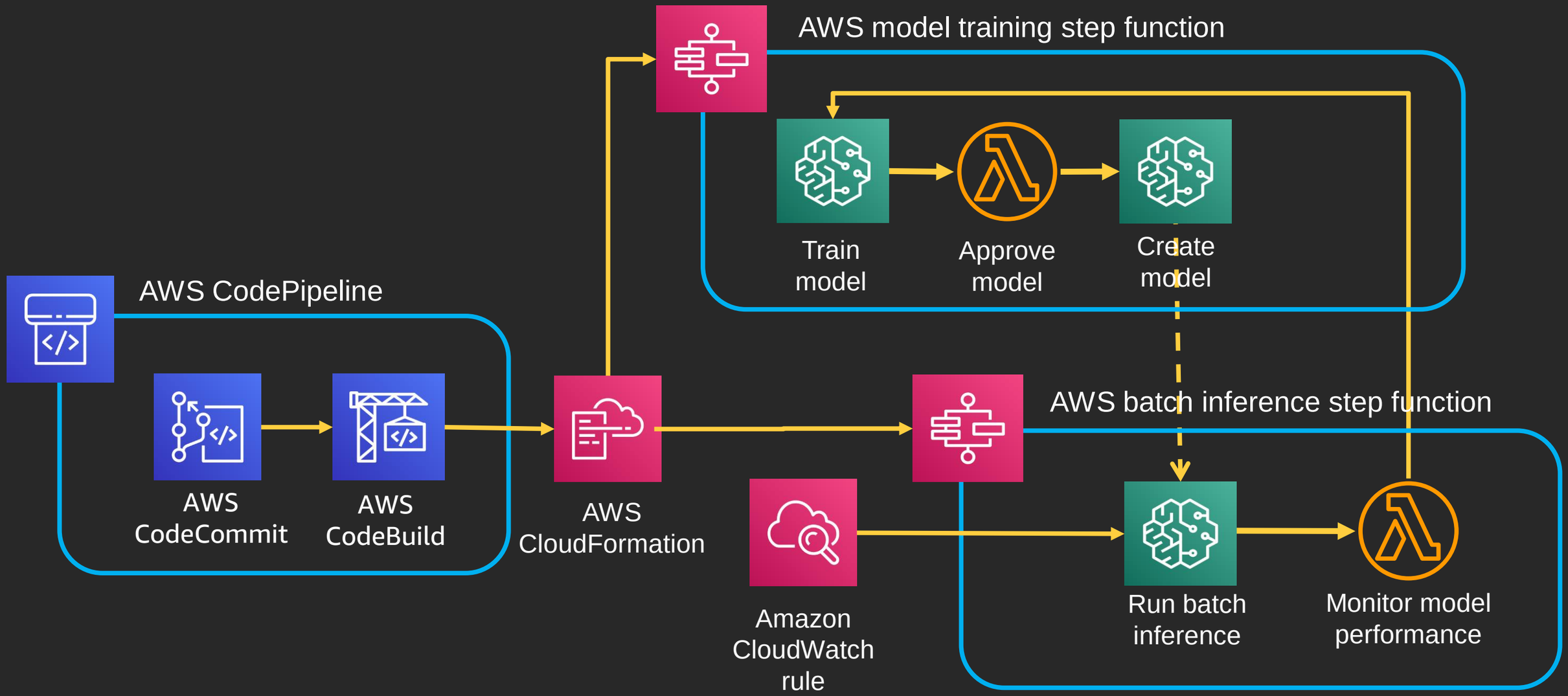


MDLC workflows example

Batch (offline) inference workflow

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MDLC batch (offline) inference model workflow



MDLC workflows example

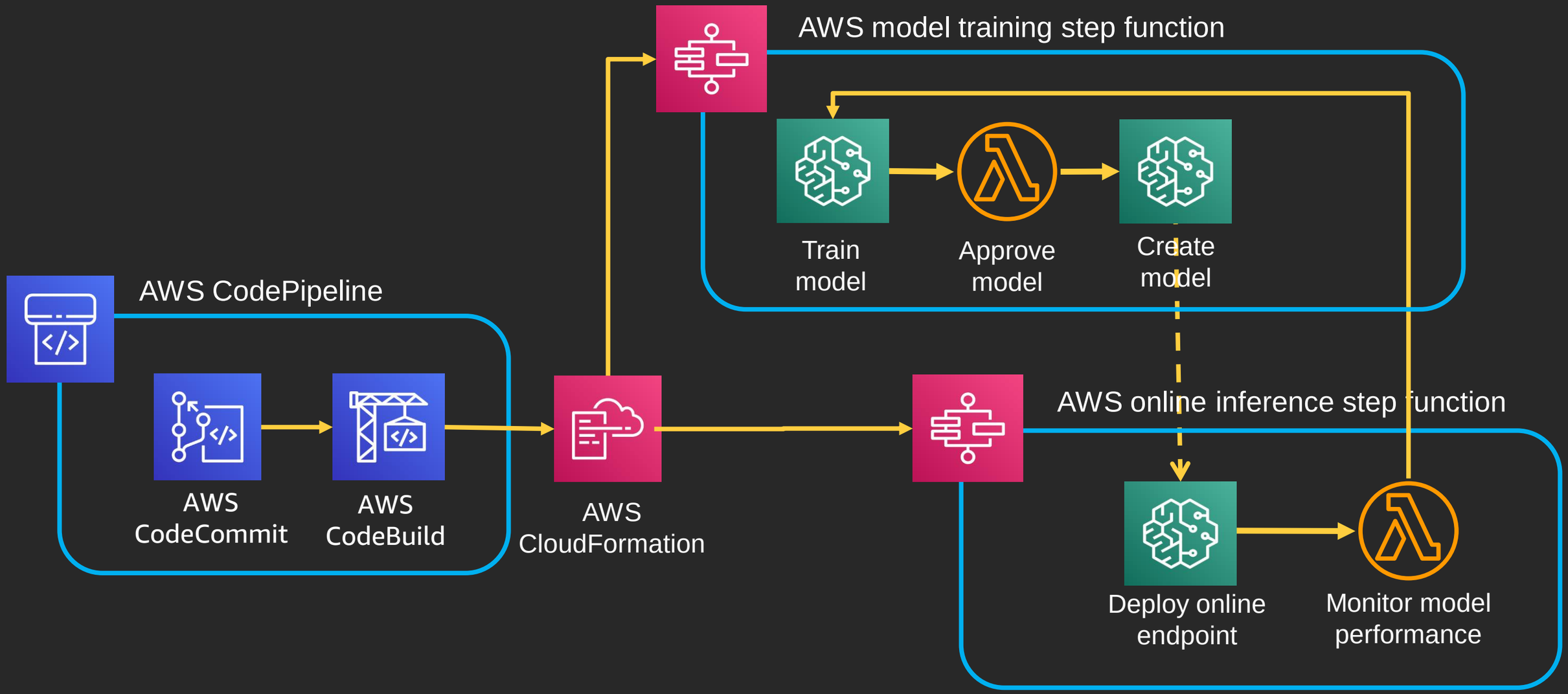
Real-time (online) inference workflow

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Real-time (online) inference workflow



Questions?

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