

# Managed Stream Processing through Apache Beam at LinkedIn

Bingfeng Xia, Xinyu Liu  
& Prateek Maheshwari

BEAM  
SUMMIT

Easy cross-language with  
SchemaTransforms: use  
your favorite Java  
transform in Python SDK

Ahmed Abualsaud

## About me



Google BigQuery

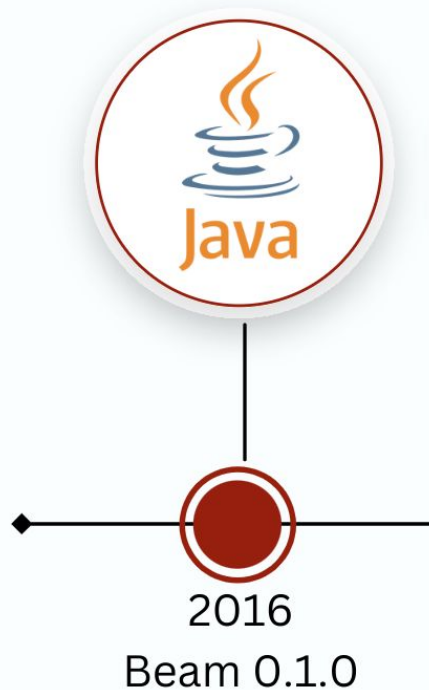


# Agenda

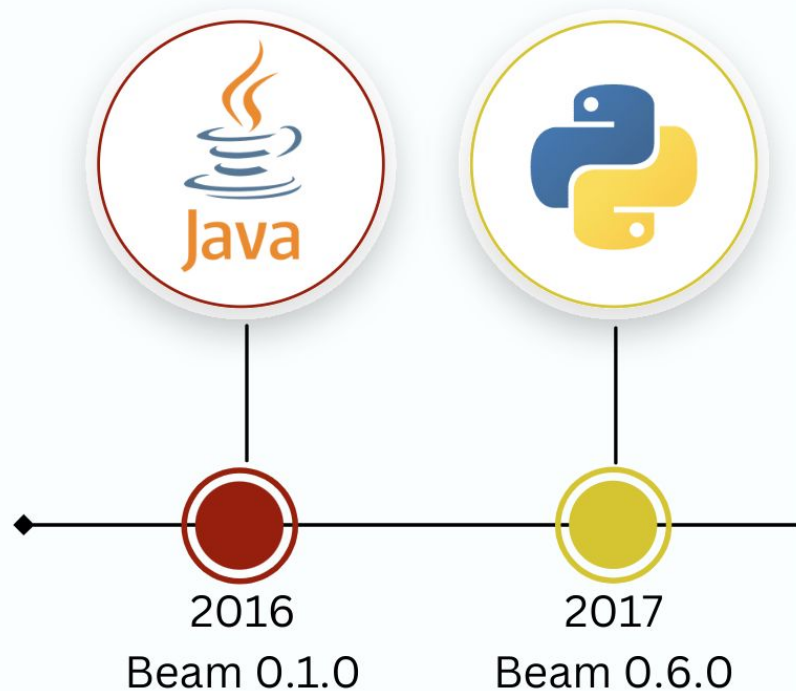


- Background and problem statement
  - Why cross-language is important for the future of Beam
- What is a SchemaTransform?
  - Why is it called a SchemaTransform?
- Creating a SchemaTransform
- Running a Java expansion service
- Demo: Using Java's wordcount transform in a Python pipeline
- Current limitations/unknowns

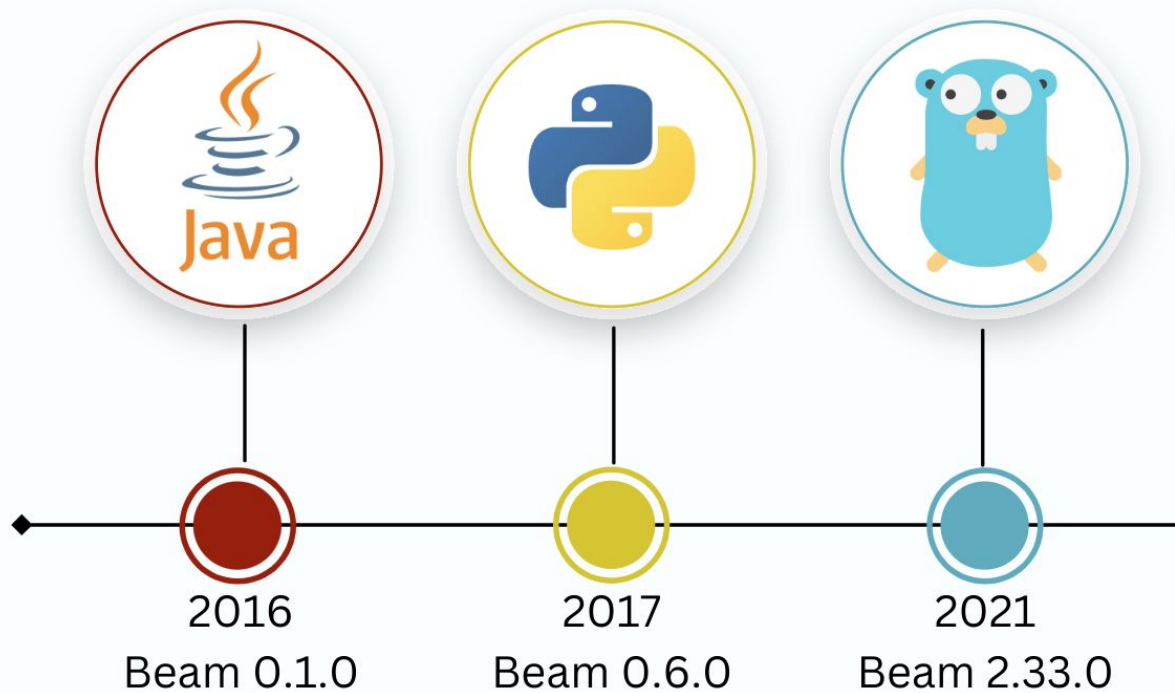
## Problem statement



## Problem statement

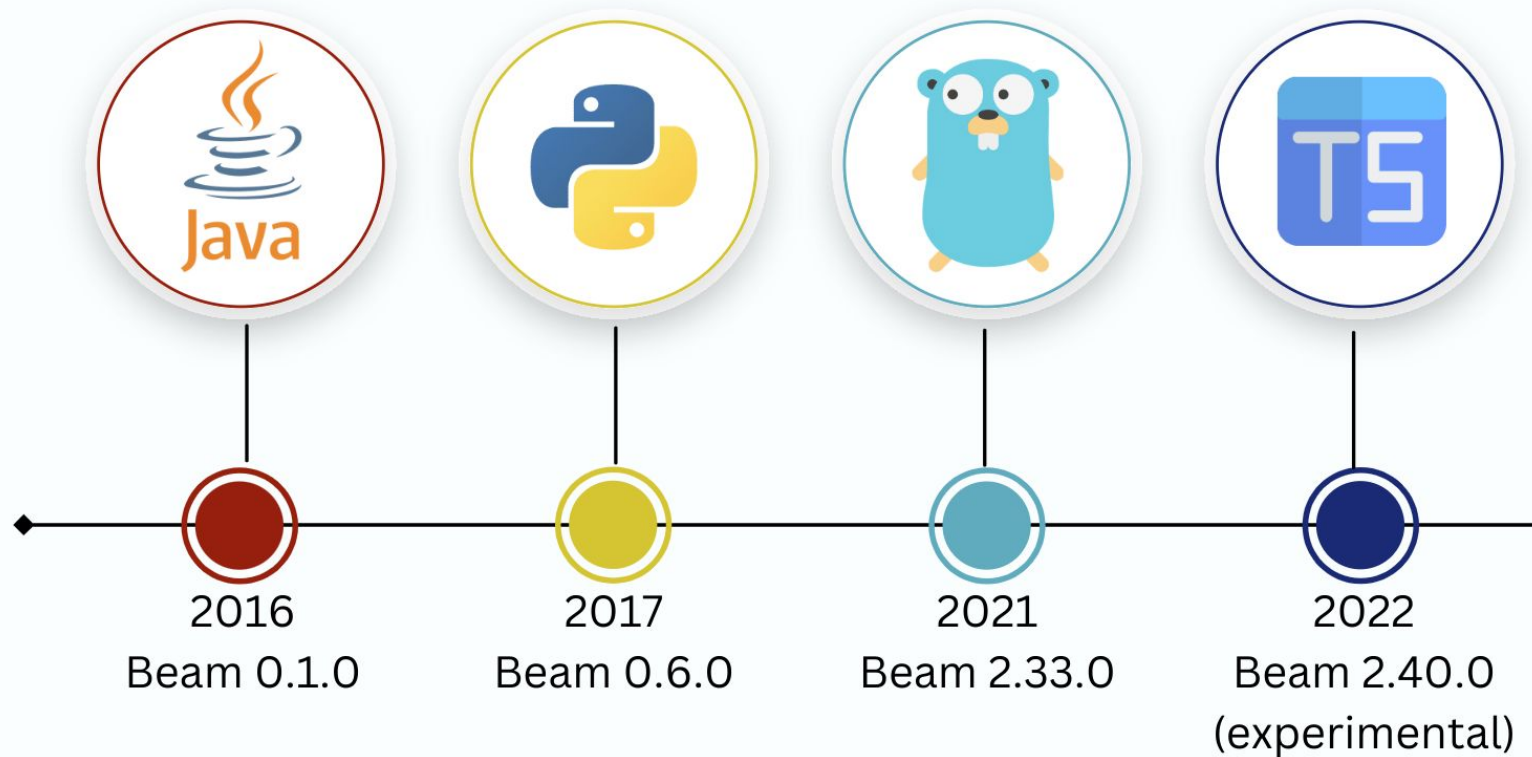


## Problem statement

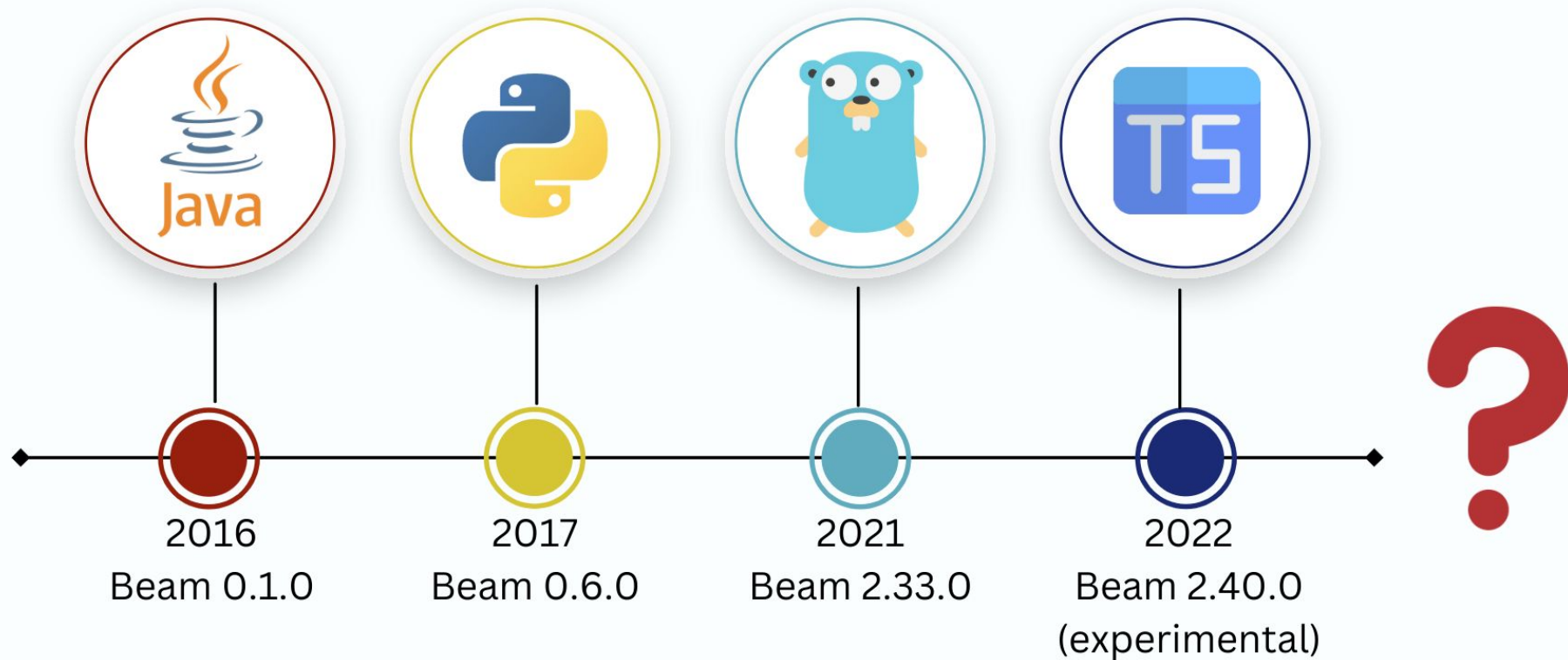




## Problem statement



## Problem statement



# Enter cross-language

