

Poe Mark

Market Alerts For Path of Exile



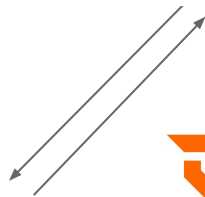
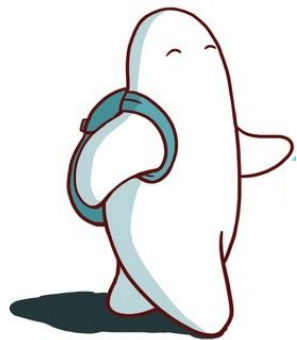
Alvin Li

Insight Data Engineering Fellowship, Silicon Valley

Buy and sell more effectively







Query

Subscribe to and receive update when an item appears on the market at a low price.

Requires:

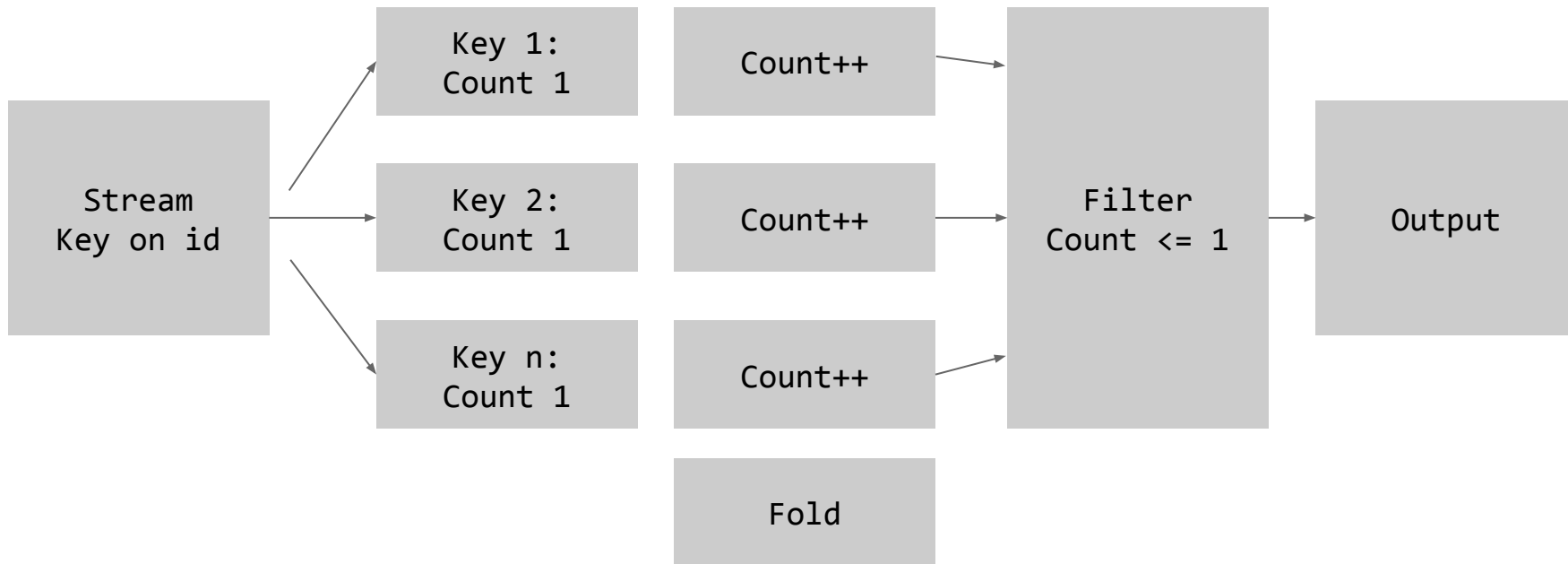
- Remove duplicates

- Determine criteria for low price

- Quickly provide updates to users

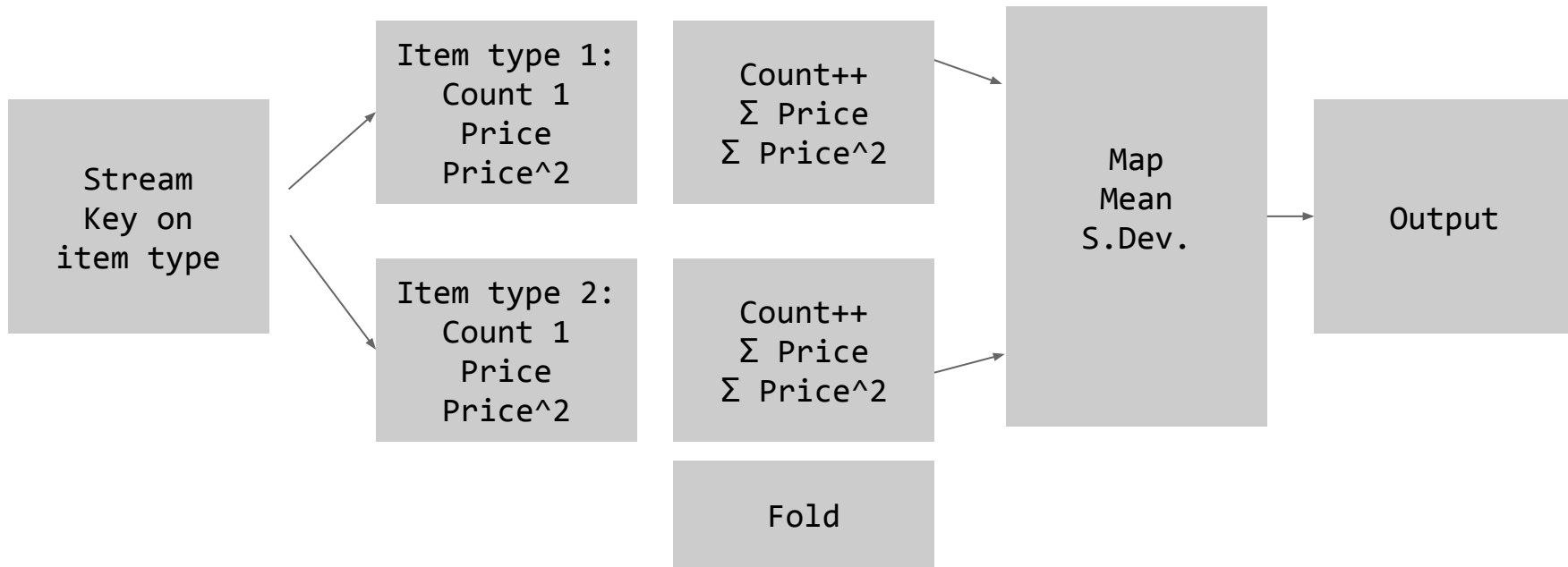
Challenges

Filtering, average price, standard deviation on streaming data



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Filtering, average price, standard deviation on streaming data



Challenges

Memory management for growing data

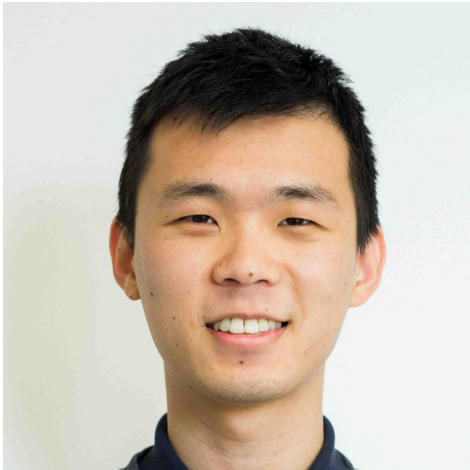


About me

Cognitive Science MS UCSD

I like video and board games

I like human behavioral and physiological data and time series



Challenges

Alert feed for users

Synchronous too slow (over 15s)

Asynchronous using websocket and
Rethinkdb change feeds

