

Hybrid Fusion Retriever

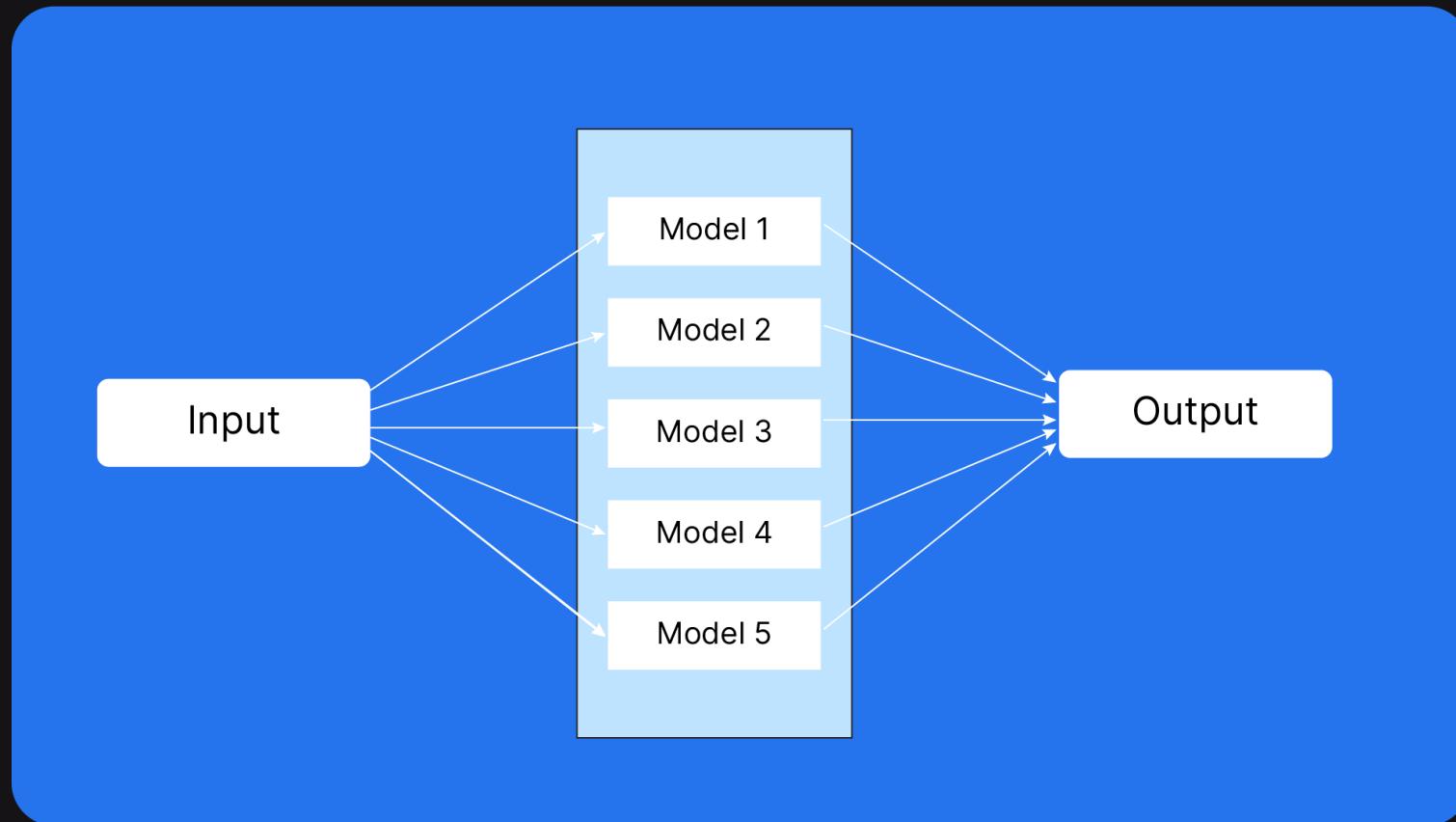
Instructor

Ravi Theja

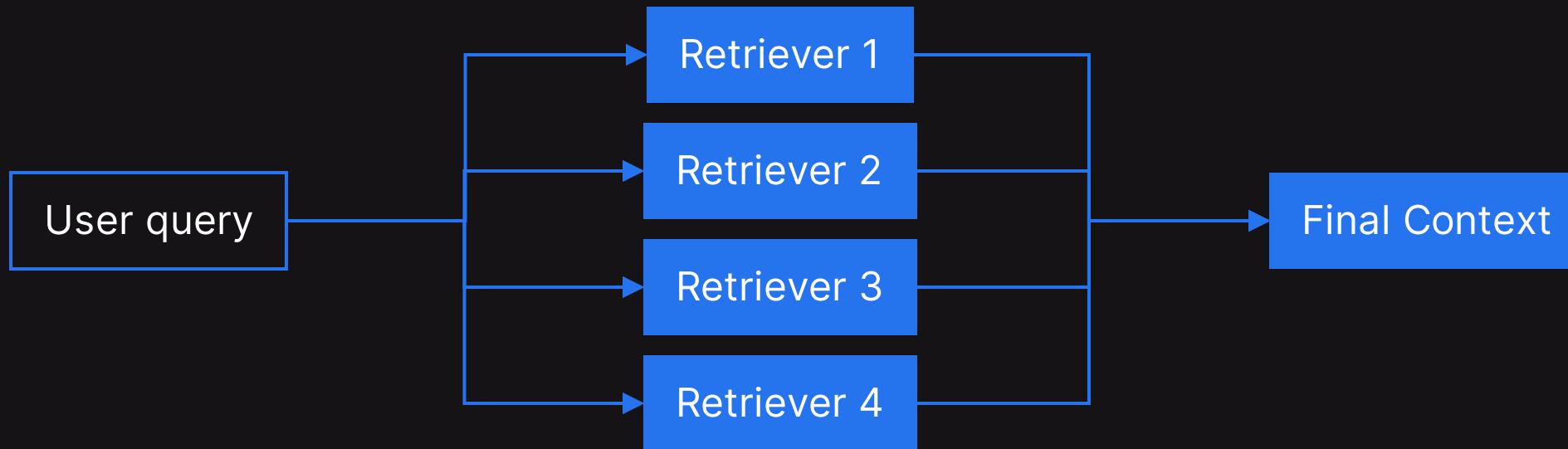
Developer Advocate Engineer, LlamalIndex



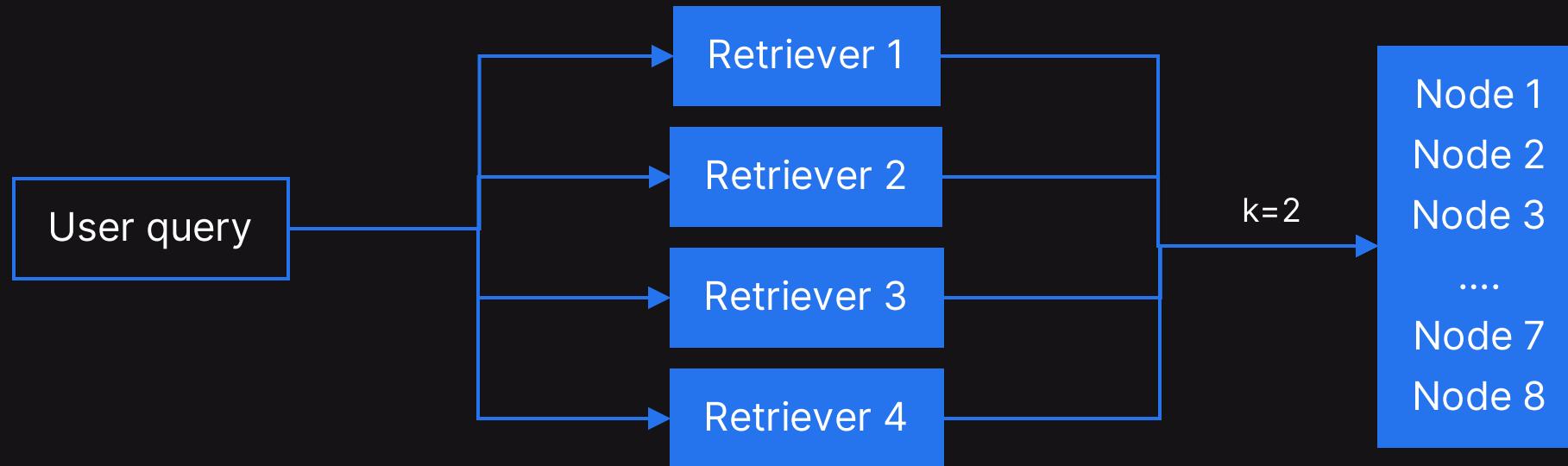
Introduction



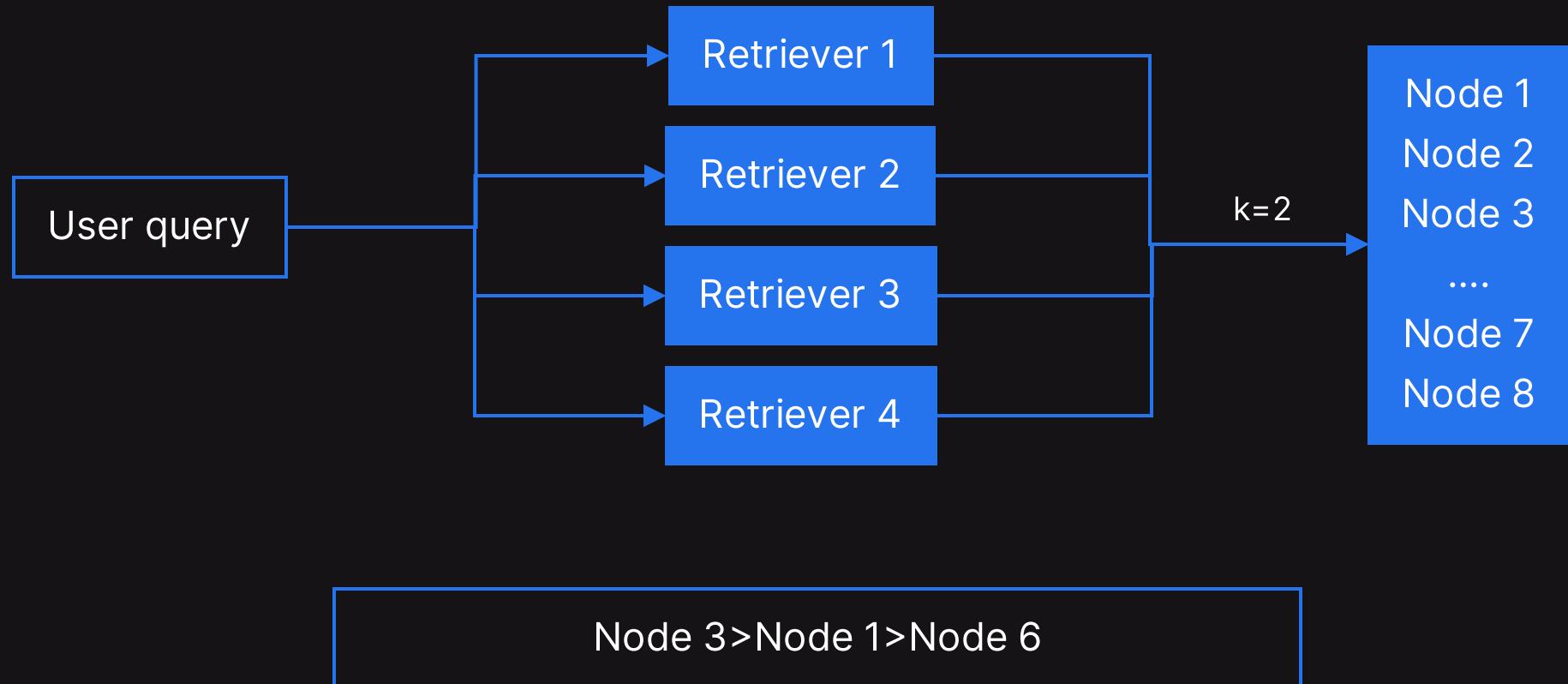
Hybrid Fusion Retriever



Hybrid Fusion Retriever



Hybrid Fusion Retriever



Sorting

Select the top k most similar nodes based on embedding similarity score

Retriever 1

Retriever	Node	Similarity Score
Retriever 1	Node 1	0.9
Retriever 1	Node 2	0.6

Retriever 1 And Retriever 2

Retriever	Node	Similarity Score
Retriever 1	Node 1	0.9
Retriever 1	Node 2	0.6
Retriever 2	Node 3	0.8
Retriever 2	Node 4	0.5

Sorting

Retriever	Node	Similarity Score
Retriever 1	Node 1	0.9
Retriever 1	Node 2	0.6
Retriever 2	Node 3	0.8
Retriever 2	Node 4	0.5

Fusion Algorithms

- Select the top k most similar nodes based on embedding similarity score

Fusion Algorithms

- Select the top k most similar nodes based on embedding similarity score
- Reciprocal rerank algorithm