

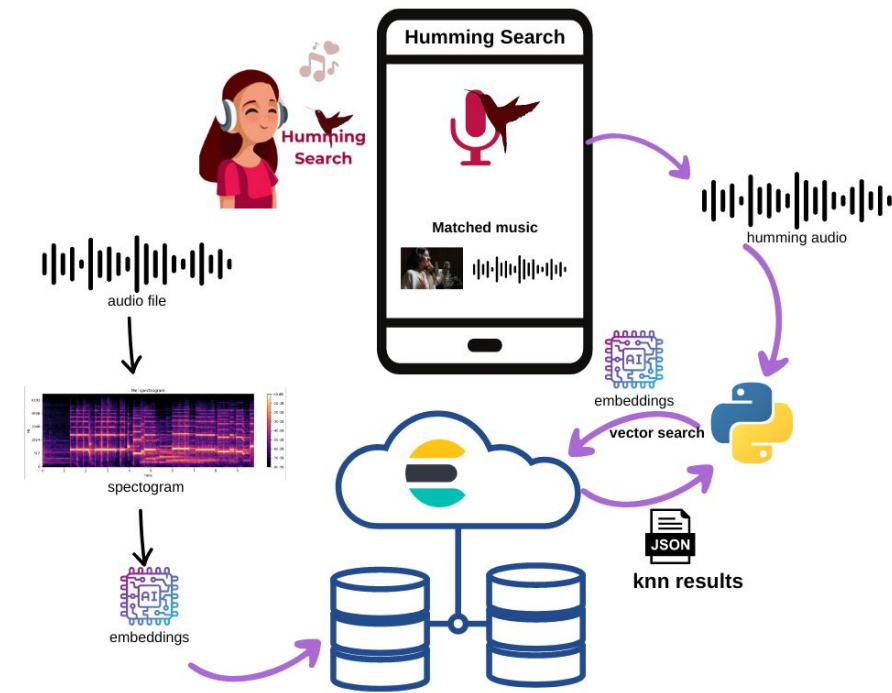


Vectors? You Know, for Search

João Neto, Sr. Customer Architect

Wed 28, 2024

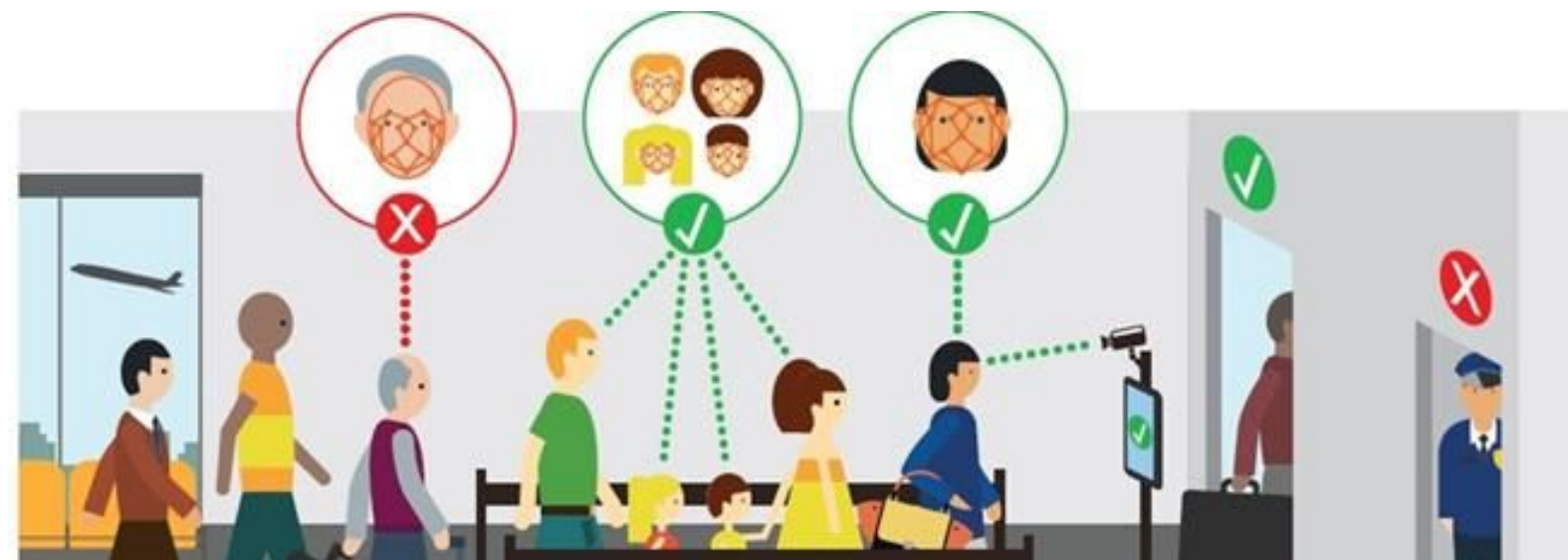
What are the possibilities?



Humming Search

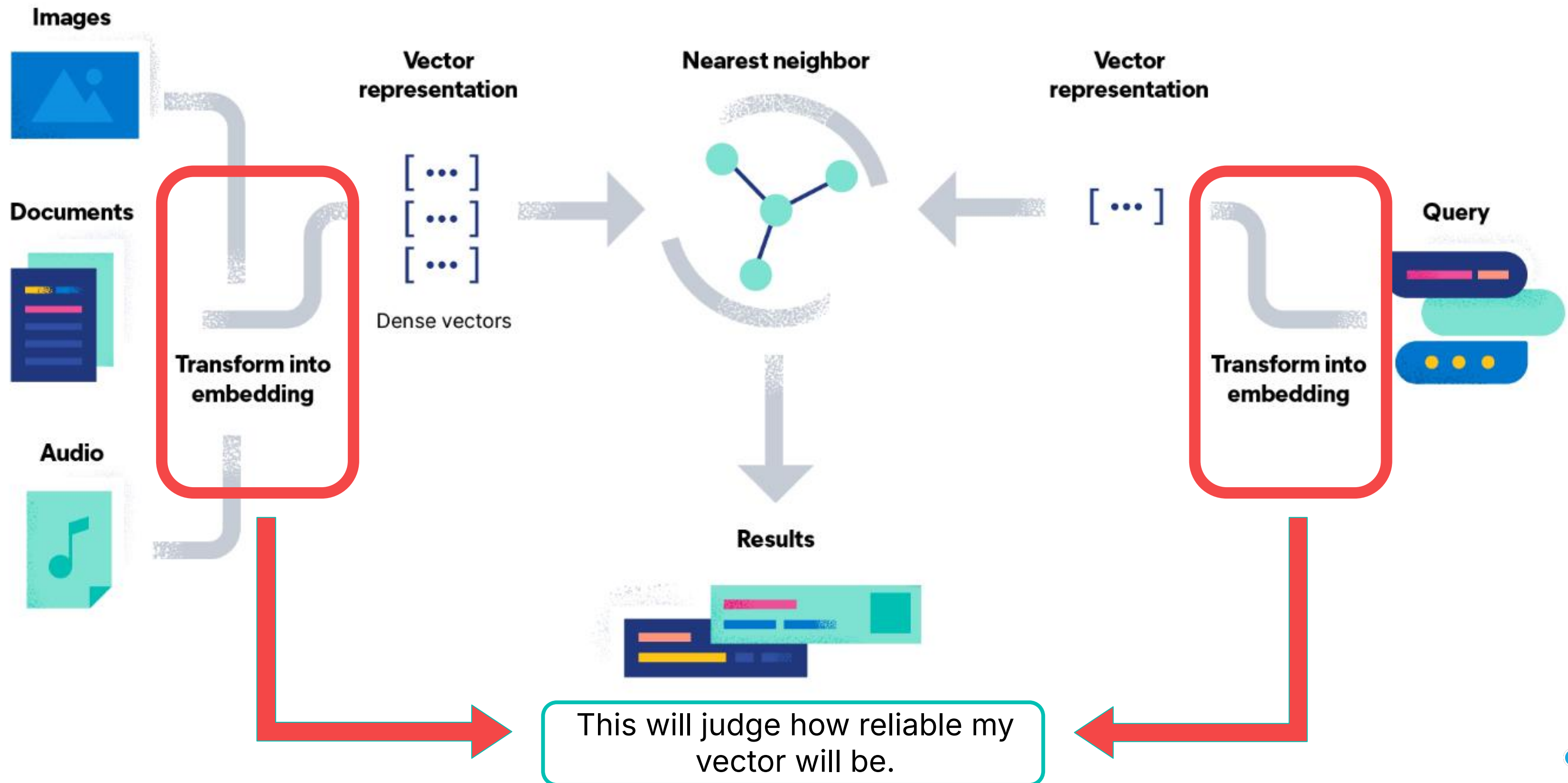


Semantic Search



Face Recognition

Vector search conceptual architecture



What vector search needs?

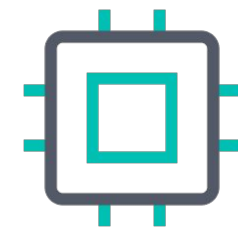
 *Speed, SCALE,*
RELEVANCE

The Elastic Search Platform



Customer Stories

"Elastic is at the heart of Cisco's new search platform"



CISCO Systems

Up to 73% faster search queries

90% of support requests resolved with new platform

5,000 support engineer hours saved per month



"Elastic is a feature-rich environment for creating a variety of search solutions. The ability to combine **semantic search** aspects into solutions is key for search evolution and **Elastic is well-positioned** for it."

– Prem Malhotra, Director, ML/AI & Search at Cisco



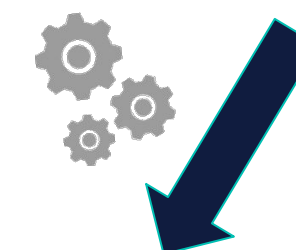
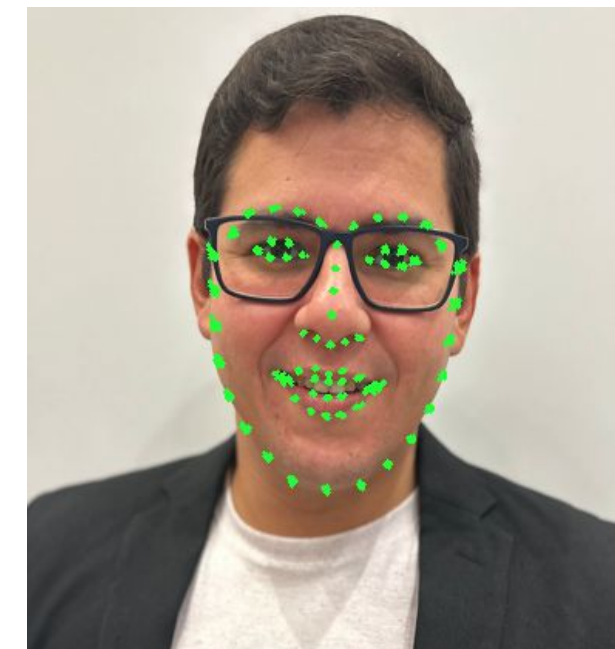
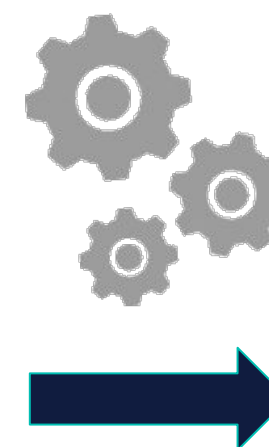
Search Project

A real App to search similar faces.



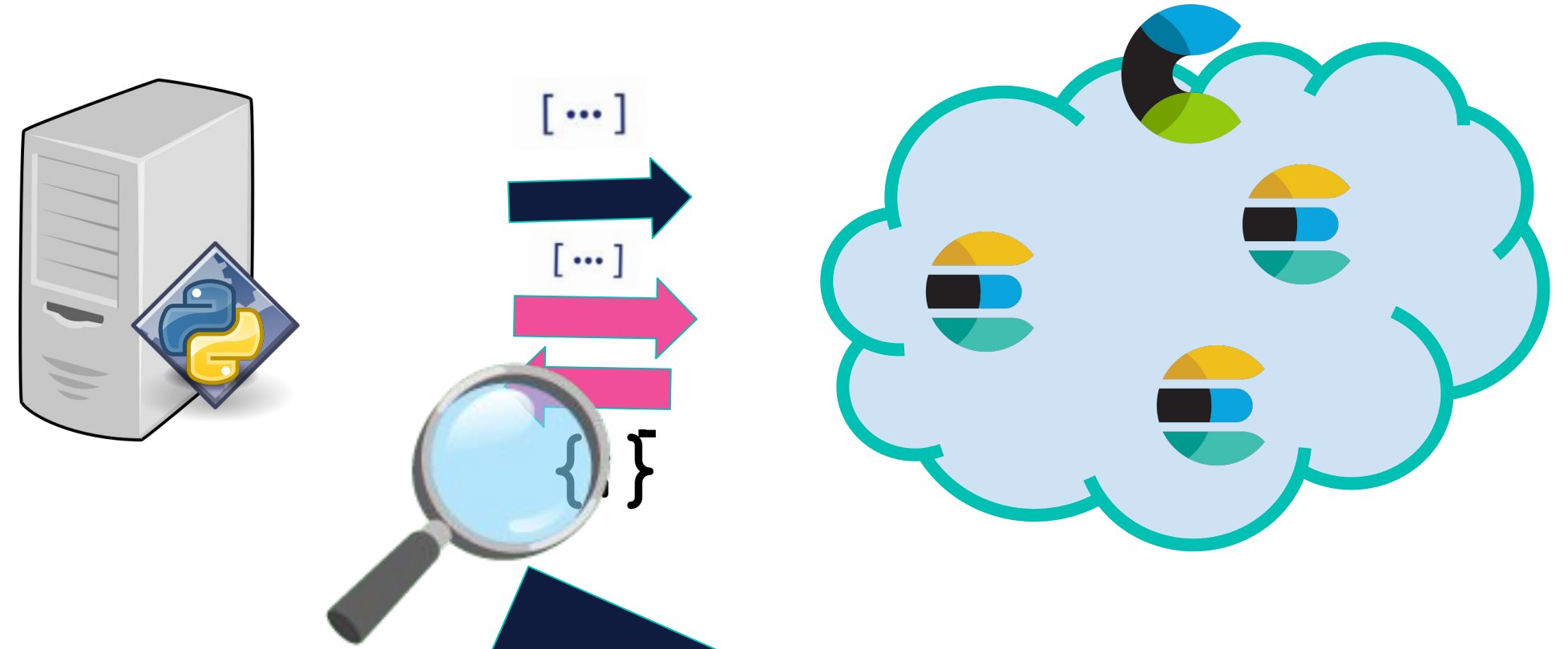
DLIB

Creating the embeddings



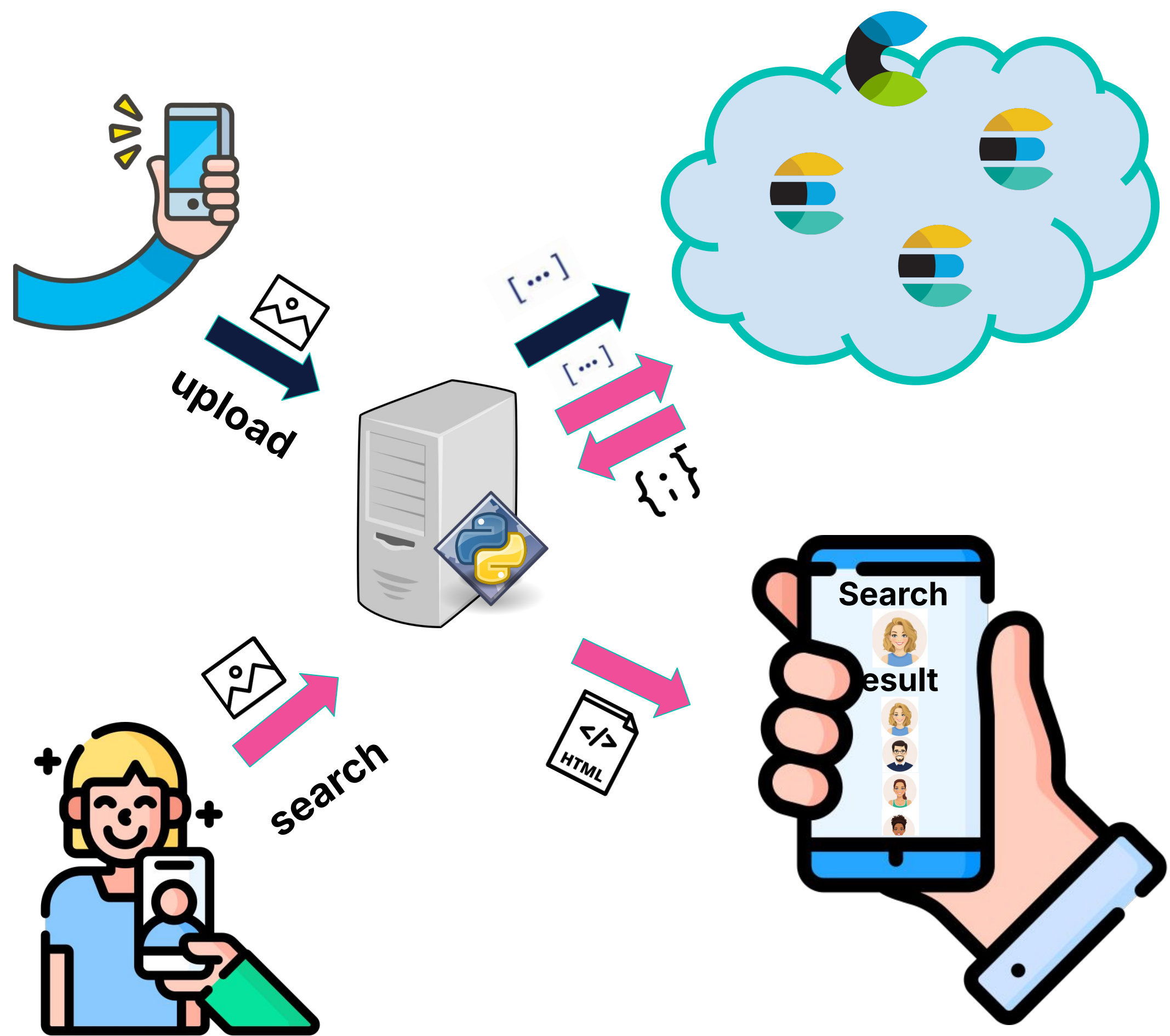
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The APP's architecture



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  "fields": [ "description", "image_base64" ]  
}
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The APP's architecture





Thank you!

Questions?

