

# Elastic + LangChain

**6/26 NYC Meetup**

**Jessica Garson**

@JessicaGarson

@JessicaGarson@macaw.social

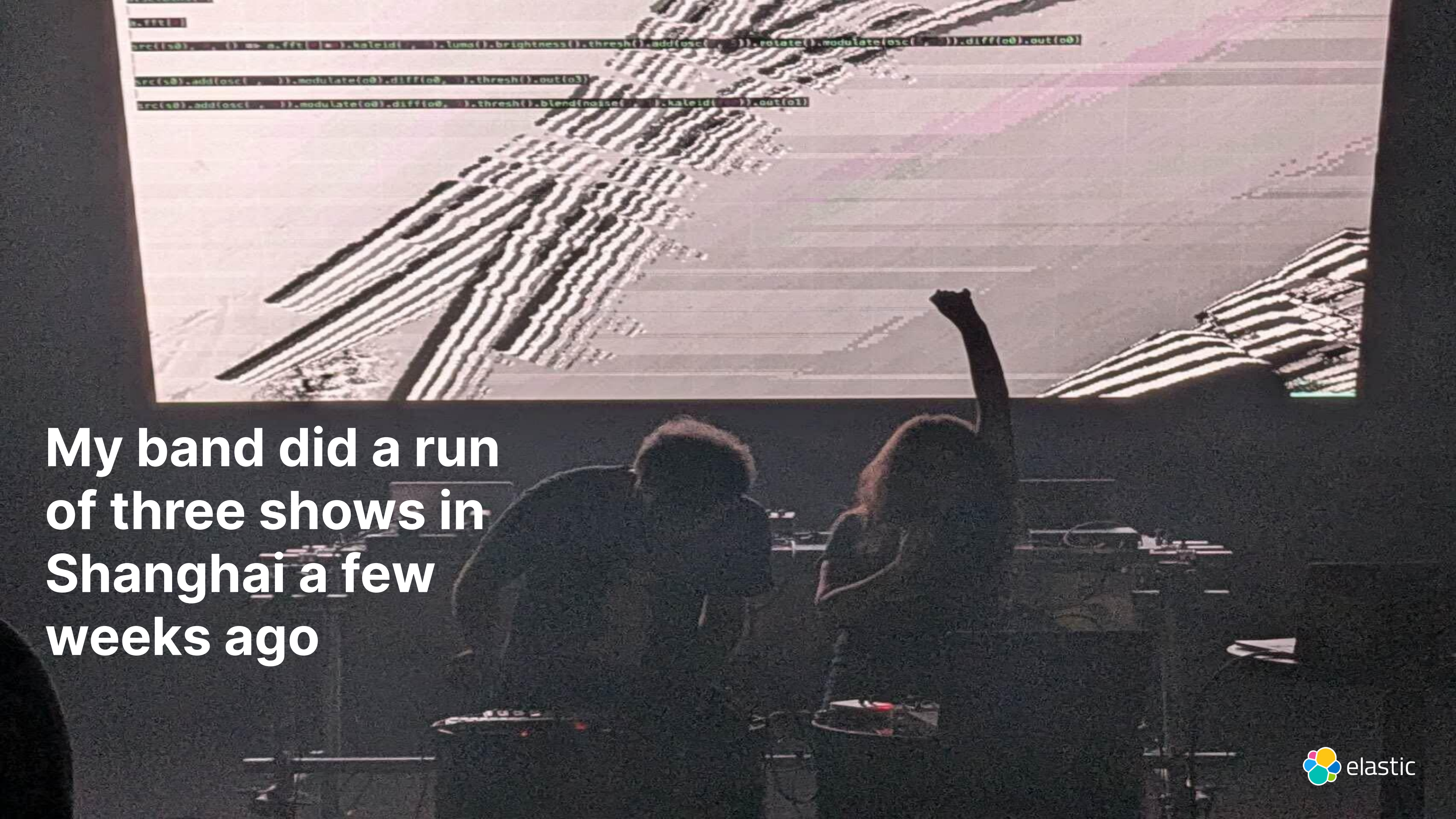
Senior Developer Advocate



<https://github.com/JessicaGarson/Translation-and-Vector-Search-with-LangChain-and-Elasticsearch>







**My band did a run  
of three shows in  
Shanghai a few  
weeks ago**



**I saw some local press about the shows but couldn't understand much.**

I wrote some code that translates the text of these clippings from Chinese to English using Doctran and used vector search in Elasticsearch to learn more about the translated documents.

# Overview of the solution

**Step 1: Cut and paste press clippings into a CSV**

**Step 2: Load data from a CSV containing press clippings into a DataFrame using Pandas**

**Step 3: Use LangChain and Doctran to translate the data from Chinese to English**

**Step 4: Load the translated data into Elasticsearch**

**Step 5: Use vector search to learn more about the tour.**



# Getting started







```
export OPENAI_API_KEY="..."
```



```
pip install jupyter pandas doctran langchain nest_asyncio langchain-elasticsearch langchain-openai  
tiktoken elasticsearch
```





jupyter notebook

Demo





# Next steps



Let me know if this talk inspires you to build anything. I'm [@JessicaGarson](#) on most platforms.



Let us know if you have any questions on  
our [Discuss forums](#) and [the community](#)  
[Slack channel](#).

<https://github.com/JessicaGarson/Translation-and-Vector-Search-with-LangChain-and-Elasticsearch>





**Do you want to host a joint meetup with us?**

**Do you know of a group we should partner with?**

**Anything else we should know**

**Email us at [meetups@elastic.co](mailto:meetups@elastic.co)**

**The Elastic NYC User Group's next  
meetup is with JPMC on Aug 28th.**

RSVP





**Let's select a raffle winner**

**Thank you!**