

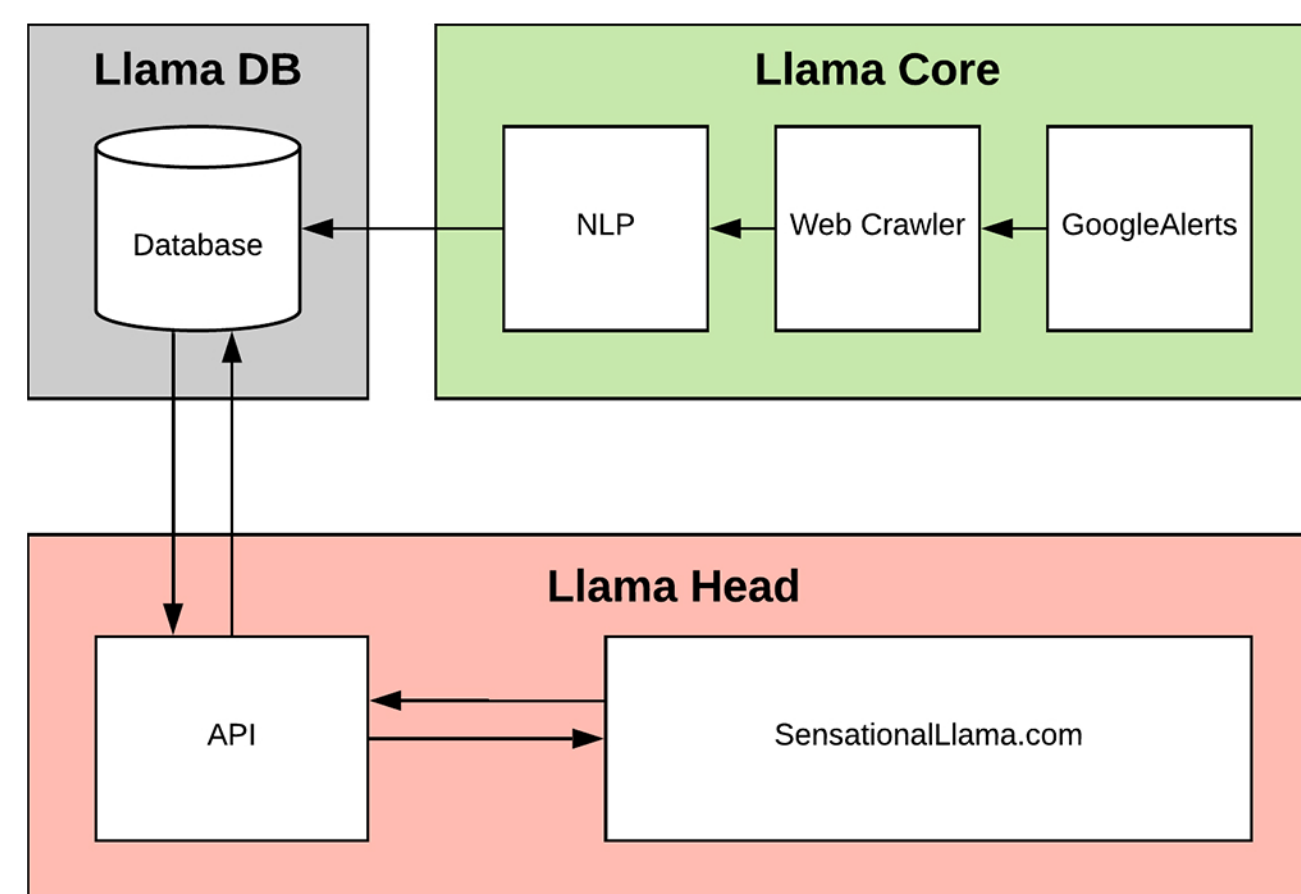


What is the problem?

Popular investment websites focus only on stock market data, forcing users to spend hours reading news articles to get a feel for how a company is doing. Investors need a tool to help them re-research companies without wasting countless hours.

What is the solution?

We scrape news articles from all over the web and run sentiment analysis on them to generate public opinion scores for the S&P 500 companies. These scores are used to create a report for each company, providing key information so you can start investing confidently.



System Design

Llama Core: Monitors the Google news feeds in real time and performs NLP

Llama DB: Stores all article information as well as user logins and preferences

Llama Head: Hosts our website and API on an Apache web server

Infrastructure: Entirely cloud based, hosted on Microsoft Azure

Web Scraping

Sensational Llama is constantly monitoring Google to receive live news. When a news article is published, we download the news article page, parse the page to get its content and headline, then pass the content to our NLP.

Highest Trending Companies				
# 1	Alexion Pharmaceuticals Inc (ALXN)	269 articles	20.73	
# 2	Ecolab Inc (ECL)	268 articles	27.17	
# 3	Chubb Ltd (CB)	267 articles	16.56	
# 4	Sherwin-Williams Co (SHW)	263 articles	46.97	
# 5	Abiomed Inc (ABMD)	259 articles	34.78	

[See all..](#)

Total articles analyzed

800k+

Articles analyzed daily

~15k

Natural Language Processing

Sensational Llama uses NLTK with Senti-WordNet as a basis for natural language processing (NLP). We take each word, remove punctuation and stopwords, then average over all meanings in its synonym set to produce a sentiment score.

