Project homepage: https://github.com/gaddamja/AWS-TradeWatchList-POC

(sample : https://github.com/a-pavithraa/TradeWatchlistPOC)

Stock market data , API keys :

alphavantage : **9YJ6C63O6I7TXBKR**

finhub   : cbdfvlaad3i64n13n6ug

twelve-data   : 128c92d1b55140b8bd02f2c357403bc6

iex-cloud   : pk_f6e4c25906374ee4a81b532d2dbbba25

tiingo   : d55d3462cf552dfc82b5d2eb2c09082255e8ca46

intrinio   : OmE4OWMxMzk4NWE2NTllMWE0NTZhMzBhNzM3NGYwOTky

RapidAPI-twelvedata : 35680c3b43msh4763599bbc79b20p144d34jsn27ba87f4447f

// sample queries

Currency	Last	% Change (Daily)
USD		
EURO		
AUD		
JPY		
SGD		
GBP		

// currency:

https://www.alphavantage.co/query?function=**FX_INTRADAY**&from_symbol=EUR&to_symbol=USD&interval=60min&**apikey=9YJ6C63O6I7TXBKR**

https://fmpcloud.io/api/v3/historical-price-full/JPYUSD?
apikey=83795f33c18e49a1951f6052bff6acd3

// market data (required)

Country Market	Last	% Change (Daily)	1 Year H - L
S&P 500			
NASDAQ			
NIKKEI 255 (Japan)			
SHANGHAI COMP(China)			
EUROSTOXX 50 (Eurozone)			
FTSE 1000 (UK)			
S&P BSE SENSEX (India)			

ref: https://finance.yahoo.com/quote/%5EGSPC/

https://www.npmjs.com/package/yahoo-finance-webscraper

// below will install all the javascript modules in the current folder. Use it to get the data.

$ npm install yahoo-finance-webscraper

// market-data.js

```
const yf = require('yahoo-finance-webscraper');

const stocks = ['^GSPC', '^IXIC', '^N255',^STOXX50E','^FTSE','^BSESN'];

yf.getStocksInfo(stocks).then(data => {
console.log(data)
});
```

// from the above script execution, it gives below data. We will take only the necessary field.
```
{
  shortName: 'S&P 500',
  regularMarketChangePercent: -1.2900001,
  regularMarketPreviousClose: 4283.74,
  fiftyTwoWeekLow: 3636.87,
  fiftyTwoWeekHigh: 4818.62,
  symbol: '^GSPC'
},
{
.. shortName: 'NASDAQ Composite',
  regularMarketPreviousClose: 12965.342,
  regularMarketChangePercent: -2.0063255,
  fiftyTwoWeekLow: 10565.14,
  fiftyTwoWeekHigh: 16212.23,
  symbol: '^IXIC'
},
{
  market: 'jp_market',
  shortName: 'Nikkei 225',
  regularMarketPreviousClose: 28942.14,
  regularMarketChangePercent: -0.04080744,
  fiftyTwoWeekLow: 24681.74,
```

          fiftyTwoWeekHigh: 30795.78,
        symbol: '^N225'
      {
          messageBoardId: 'finmb_IND**EXSTOXX50E**',
          regularMarketPreviousClose: 3777.38,
          regularMarketChangePercent: -1.2458322,
          fiftyTwoWeekLow: 3357.06,
          fiftyTwoWeekHigh: 4415.23,
        symbol: '^STOXX50E'
       {
          shortName: 'FTSE 100',
          market: 'gb_market',
          regularMarketPreviousClose: 7541.85,
          regularMarketChangePercent: 0.11296989,
          fiftyTwoWeekLow: 6788,
          fiftyTwoWeekHigh: 7687.3,
        symbol: '^FTSE'
       },
       {
          market: 'in_market',
          shortName: 'S&P BSE SENSEX',
          regularMarketPreviousClose: 60298,
          regularMarketChangePercent: -1.08105,
          fiftyTwoWeekLow: 50921.22,
          fiftyTwoWeekHigh: 62245.43,
        symbol: '^BSESN'
       }

Sector Index (ETF)	Last	% Change (Daily)	1 Year H - L
SOX (SemiConductor)			
XLF Financials (Financial)			
XLV Healthcare (Healthcare)			
S&P Industrials/Staples			
XI(Consumer Discretionary)			
XLP(Consumer Staples)			
XLY(Consumer Discretinerary)			
XLE(Energy)			
XLI(Industry)			
XLK(IT)			
XLB(Materials)			
XLRE(Real Estate)			
XTL(Telecommunications)			
XLU(Utlities)			
USO(Oil)			
QQQ(Nasdaq 100)			
IBB(Nasdaq Biotech)			
EEM(Emerging Markets)			
VNQ			
EFA(International Stocks)			

P/E RATIO Index (ETF)	Last	% Change(Daily)	1 Year H - L
SPY Large Cap			
IWM Small Cap			
VTV Value			
VUG Growth			
SDY Dividend			
MDY Midcap			
SLY Small Cap			

Interest Rate	Last	% Change (Daily)
US 3 Months		
US 2 Year		
US 10 Year		
JP 10 Year		
Italy 10 Year		
Germany 10 Year		
Spain 10 Year		
China 10 Year		

Fixed Income	Last	% Change(Daily)
BSV 1 - 5 Year		
IEF 7 - 10 Year		
TLT 20+ Year		
HYG High Yield		
AGG Bond		
TIP (Tresuary iShares Bond ETF)		

Others	Last	% Change (Daily)
Bank Loans known as Bank Credits		
RaillRoads Loads		
Baltic Dry Index		
Gold		
CRB Raw Industrials Index		
BIL (Cash ETF)		
US Steel Utilization Index		

Commodities	Last	% Change (Daily)
Copper		
Crude Oil		
Iron Ore		
Natural Gas		
Aluminium		
DJP (Commodity ETF)		

Monthly Survery Data	1 Month Change	Last	1 Year H - L	Next Release
US ISM Manufacturing Data				
US ISM Non-Manufacturing Data				
US New Orders PMI				
US Ports : InBound/Outbound				
US Retail Sales MoM				
US Building Permits (Authorized)				
US Michigan Consumer Sentiments				
China ISM Manufacturing Data (HSBC)				
China New Orders PMI				
German Manufacturing PMI				
Italy Manufacturing PMI				
Australia PMI				
Norway PMI				

Sentiments Data	1W Change	Last	1 Year H - L	Next Release
S&P Cots Oscillator				
Speculation Index				
S&P 14 Days RSI				
Citi OB/OS Index				
Bull - Bear Index				
20 Days MA Put/Call Ratio				
VIX				
200 Daily Moving Average				
CITI US Economic Surprise Index				
CITI UK Economic Surprise Index				
CITI Asia Economic Surprise Index				
Bloomerg Consumer Confidence				
Jobless claims				
AAII Investor Sentiments (AAII2B)				