# Stock Market Trader (Swing trading Use-Case)

- Following real-time Stock Prices

- Understanding/interpreting international Economic & Political Trends

- Buys or sells based on Experiences and Forecasts

- Holding positions for Days or Weeks, looking to profit from Price swings

# Welcome AI Trader

- Continuously monitors actual Stock market Prices.
- Analyses News, economic Data, company Performance, and other Factors that can influence stock Prices.
- Decides which Stocks to buy or sell based on its Analysis and Reasoning.
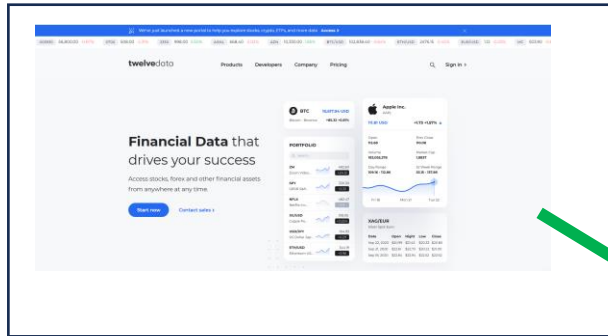- Monitors round the Clock, 24/7, 365 Days.

AI Trader

# Agentic AI and AI Agents (AI Trader)

- AI Agents act Autonomously without Human Intervention
- AI Agents reason based on the AI Model they were provided ***(however)***
  - AI Models Knowledge is limited to the Content they were trained on
  - AI Models not aware of real-time Data
- AI Agents are provided Tools… **(the solution)**
  - Tools: **Fetch** real-time Data to Augment the AI Model's Knowledge
  - Tools: **Act…**
    - Send Notifications (mail, WhatsApp, Teams,…)
    - Change DB content, add Orders, update Records …
    - Generate Statistics
    - More and More…

# Welcome AI Trader

**Twelvedata.com Financial Assets**

1. For every record on your Stock Wallet...
2. Fetch real-time stock prices from www.twelvedata.com
3. Fetch economic trends from  www.tradingeconomics.com
4. *Reasoning...*
5. Update the stock records on cloud Database
6. Send out WhatsApp notifications on unexpected price Rise or Fall

**Prompt**
For each stock record incrementally buy or sell stocks on my wallet given actual prices and economic trends and notify when price deviates thresholds....
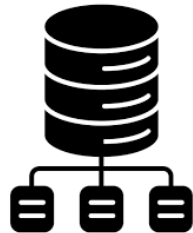
**tradingeconomics.com Economic Trends**

**AI MODEL**

AI Agent

WhatsApp

*I work ....*
- 24/7
- 365 days a year
- each minute
- configurable scheduling interval

**Stock Wallet Database**

# Why AI Trader

- Works round the clock, 24/7, 365 days
- Access to most actual real-time Stock prices and other Financial Assets
- Access to world-wide economic Trends that impact Stock Markets
- Forecasts on Historical and Real-Time Financial and Economic Trends
- Buys & Sells stocks based on its Reasoning considering Real-Time Facts.
- Notifies when Prices fall below Predefined and Configured Thresholds
- Generates periodical Statistics and Charts on Stock Inventory history

# Why this Use Case

- No intention to bring a new Product

- Focus on showcasing Technologies…
  - Spring AI
  - MS Azure AI Foundry
  - Azure DevOps
  - Terraform
  - Gradle
  - HELM
  - …