



**Position:** AI Engineer

**Company:** [EverMe](#)

**Job Type:** Full-Time

## AI Technical Challenge

Completing the exercise **helps us assess your level of technical skill and experience**. We anticipate about 3 hours of work on this project. If you get to the 3-hour point, **please wrap up and let us know what else you would do**.

### Objective

Create an **AI agent available in a conversational interface** that can help the user **get real-time information about stock markets and perform mathematical operations**.

### Example

These are the kind of questions the Agent should be able to respond to. They are just inspirational, we are not going to evaluate the accuracy of answers.

- **User:** "What was the Bitcoin price yesterday?"
- **Agent:** "The closing price of Bitcoin yesterday was \$59,756.70. Do you need more details on Bitcoin's price trends?"
  
- **User:** "And the current price of Tesla?"
- **Agent:** "The current price of Tesla stock is \$720.34. Would you like to know more about Tesla's performance or compare it with another stock?"

- **User:** "What's the percentage change compared to yesterday?"
  - **Agent:** "The price of Tesla stock increased by 2.5% compared to yesterday."
- 
- **User:** "Can you calculate the average stock price of Apple over the last week?"
  - **Agent:** "The average stock price of Apple over the last week was \$145.67. Would you like to see a detailed breakdown?"

## Guidelines

- Integrate the OpenAI API to power the AI agent. If you don't have one, you can create a free [Grog](#) account and get an API Key to use open source models.
- Use Streamlit to build a simple chat interface. [Build a basic LLM chat app - Streamlit Docs](#). Feel free to copy paste the code.
- For implementing the agentic workflow, you can interact directly with the Open AI API or use a framework like LangChain or similar.
- Utilize the [yfinance](#) Python package to fetch real-time market data, such as stock prices & historical data.
- Provide a [Dockerfile](#) in your project to build the environment for your Streamlit app.

## Deliverables

- A Github repository with your code.
- Instructions for building and running it (provide them in README file). We are going to use our own Open AI api key.
- A 30-minute Q&A session with our team to present your solution, discuss the challenges, and talk about possible improvements.

**Important Note:** We are not going to evaluate the agent's accuracy and overall quality in depth, the idea of these assignments is to evaluate your technical skills and experience creating integrations with AI applied to business tools.