

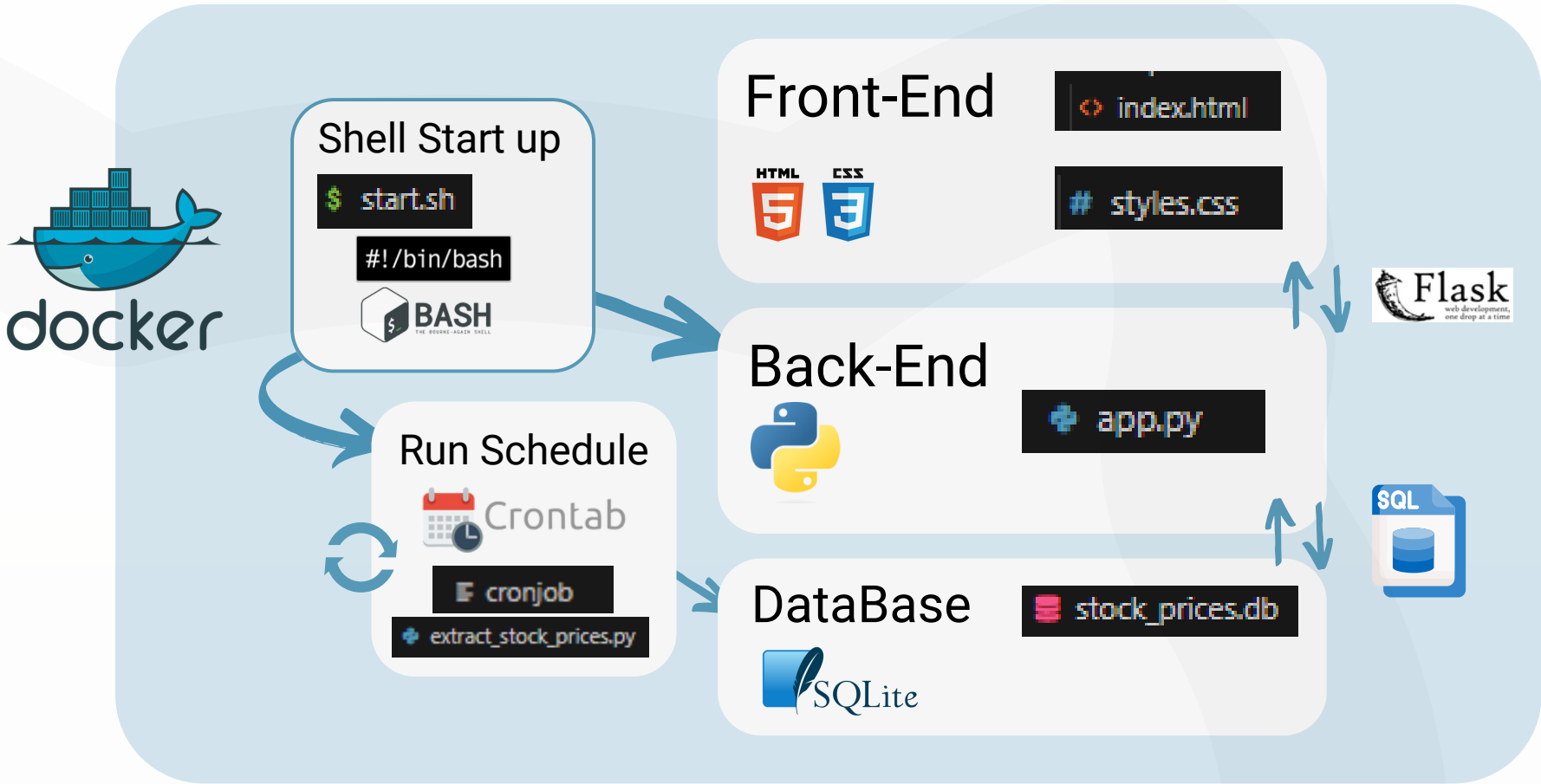


A Birds Eye View



Utilizing: Docker containers, bash scripting, cron job scheduling, SQL Database and Python Server.

Developed a Dockerized application that automatically extracts stock prices from yfinance every minute, stores them in an SQLite database, and displays them through a Flask-based web interface.



1.1 Features

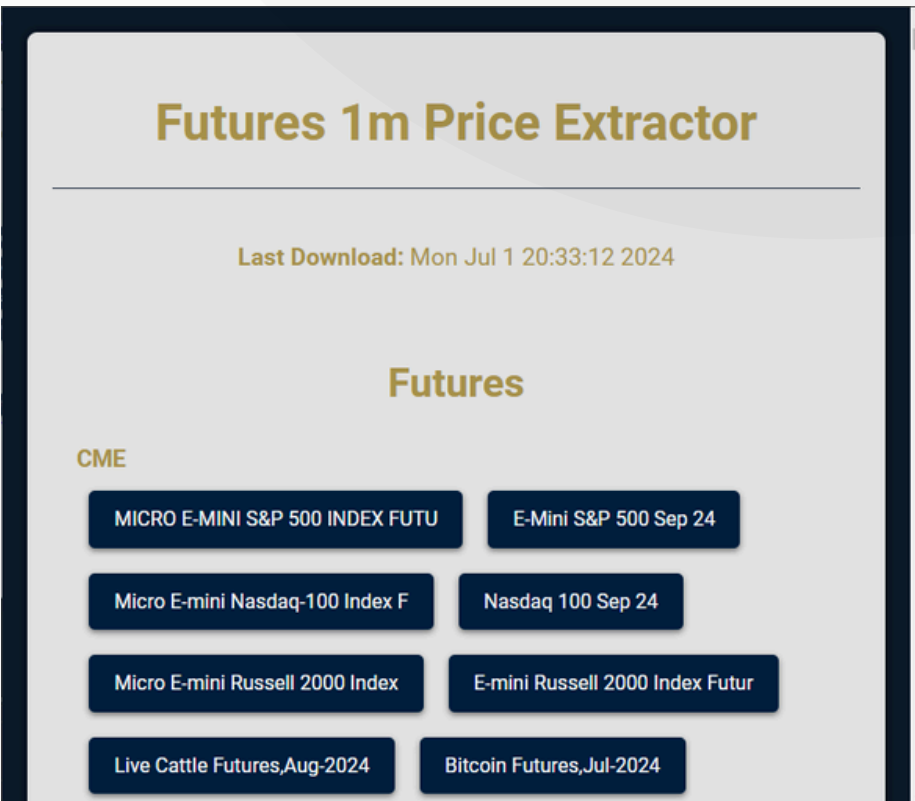
- Automated 1-minute stock price extraction
- Dockerized environment for consistent deployment
- Scheduled data fetching with cron jobs
- Data storage in SQLite database
- Flask-based back-end for handling HTTP requests
- Simple front-end with HTML and CSS for data display

1.3 Tech Stack

- **Programming Languages:** Python, Bash, SQL
- **Database:** SQLite
- **Web Framework:** Flask
- **Containerization:** Docker
- **Scheduling:** Cron
- **Frontend Technologies:** HTML, CSS
- **Deployment:** Cloud Run

1.3 User Interface & API calling

route('/')



route('/api/stock_data/<ticker>')

