

Important Update Regarding Your Application

Dear Candidate,

Thank you for your interest in the opportunity at JarNox.

Due to an overwhelming number of applications, we are prioritizing candidates who are able to demonstrate their technical skills effectively. To fast-track your application and get scheduled for an interview with our Full Stack Development Team, we request you to complete the assignment outlined below.

Assignment Task

Build a Stock Market Dashboard Web Application with the following features:

UI Design:

- A clean, responsive webpage
- Left panel: Scrollable list of at least 10 company names
- Main panel: Chart area to display stock price data when a company is selected

Data Handling (Choose one):

- Use a sample/mock dataset (e.g., NSE/BSE/Yahoo Finance)
- OR fetch live data using a public API (e.g., yfinance)

Backend (Preferred but Optional):

- Build a REST API using Python (FastAPI/Flask) or Node.js
- API should serve company list and historical stock data
- Store data using PostgreSQL or SQLite

Frontend:

- Use HTML/CSS/JavaScript or ReactJS

- Display stock data using Chart.js, Plotly, or any other charting library

Bonus (Optional):

- Deploy your app on Render, Railway, Vercel, or any free cloud VM
 - Dockerize your project
 - Add features like 52-week high/low, average volume, or technical indicators
 - Include an AI-based prediction feature (e.g., next-day price forecast)
 - Write a brief documentation or README
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Deliverables

Please share a GitHub repository link containing:

- Complete source code
 - Sample dataset (if applicable)
 - Screenshot or deployed project link (if available)
 - A short note (200–300 words) explaining:
 - Your development approach
 - Technologies used
 - Challenges you encountered
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Evaluation Criteria

- Code quality and structure
- Frontend/backend integration
- Understanding of stock market data

- Use of AI/ML for prediction (if applicable)
 - Deployment/dockerization (if done)
 - Creativity and attention to detail
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✦ Why This Is Worth Doing

Even if you're not selected:

- You'll build a strong fintech project for your portfolio
 - Improve your frontend/backend and AI skills
 - Stand out in future job or internship applications
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Please submit your work to:

✉ shaktijarnox@outlook.com

We look forward to seeing your creativity and skills in action!

Best regards,
Team JarNox