DeltaFrame Roadmap

This roadmap outlines the next major upgrades and features to make DeltaFrame a standout, resume-worthy project. Each item is a significant enhancement, not just a bug fix or polish. Features are grouped for clarity, with notes on feasibility and UX/tech stack where relevant.

A. Collapsible Sidebar Navigation

- Add a modern, collapsible sidebar for navigation (exchanges, portfolio, settings, etc.).

- Responsive: collapses to icons or hamburger menu on mobile.

B. Fix the 'Sell All' Button

- Ensure the 'Sell All' button in the holdings table works reliably and as expected in all scenarios.

- This is a foundational fix to guarantee core trading simulation functionality before major new features.

3. User Authentication & Multi-User Support

- Secure login, user accounts, and isolated portfolios.

- Foundation for all user-specific features.

4. Cloud Deployment (Docker, CI/CD)

- Containerize the app, set up CI/CD, and deploy to a cloud provider.

- Enables live demos and professional DevOps practices.

5. Mobile-First Responsive Redesign

- Overhaul the UI for seamless mobile and tablet experience.

- All features must be touch-friendly and visually clean on small screens.

6. Dark/Light Theme Toggle with Customization

- Let users pick and save their own color themes.

- Modern, accessible, and visually appealing.

8. Advanced Charting: Indicators & Drawing Tools

- Add technical indicators (RSI, MACD, Bollinger Bands) and drawing tools to the chart.

- Makes the app useful for serious traders and analysts.

9. Order Types: Stop, OCO, Trailing Stop

- Support advanced order types beyond market/limit.

- Simulate more realistic trading scenarios.

10. PnL Analytics Dashboard

- Visualize P&L over time, trade statistics, win/loss ratio, and more.

- Adds depth and insight to the simulation.

12. Strategy Scripting (Python/JS)

- Allow users to write and run custom trading strategies/scripts in-browser.

- Huge for power users and resume value.

18. Real-Time News & Sentiment Feed

- Integrate crypto news and social sentiment analysis.

- Adds context and decision support for users.

19. Order Book Heatmap Visualization

- Show liquidity and order flow as a heatmap.

- Advanced, visually impressive feature.

22. OAuth & Social Login

- Support Google, GitHub, etc. for easy sign-in.

- Feasibility: High, but may require cloud deployment.

24. Cloud Database (Postgres, MongoDB)

- Migrate from SQLite to a scalable cloud DB.

- Enables multi-user, multi-session, and real-time features.

- Feasibility: Free tier options available (Supabase, MongoDB Atlas, etc.).

27. Customizable Dashboard Layouts

- Drag-and-drop widgets, save layouts.

- On mobile: long-press to edit; on desktop: two-finger drag (like Apple home screen).

- Highly interactive and user-friendly.

30. Onboarding & Interactive Tutorials

- Guide new users through the app with tooltips and walkthroughs.

- Reduces friction and increases engagement.

36. Offline Mode & Data Caching

- Allow users to view recent data and history offline.

- Improves reliability and user experience.

37. Advanced Filtering & Search

- Powerful filters for trades, holdings, and order book.

- Essential for power users and large datasets.

38. Multi-Account Management

- Support for managing multiple portfolios/accounts per user.

- Great for advanced users and testing strategies.

42. Order Book Depth Chart

- Visualize cumulative depth alongside the order book.

- Adds another layer of insight for traders.

50. Automated Deployment Previews

- Preview every PR/branch in a live environment (Vercel/Netlify).

- Professional DevOps touch, great for collaboration and demos.

UX/Tech Stack Clarifications:

- Cloud DB: Postgres (Supabase, Railway, Render) or MongoDB (Atlas free tier)

- OAuth: Google, GitHub, or both

- Mobile dashboard edit: long-press; desktop: two-finger drag