Buy/Sell Signal System Overview

What Is It?

This system overlays Buy/Sell markers on a chart based on TradingView strategies. It is not for placing real trades, but for analytics, forecasting, and alerting users when Buy/Sell conditions occur.

Signal Flow Summary

Step	Description
Step 1	Client sets up a strategy in TradingView (e.g., RSI crossover)
Step 2	TradingView sends alert via Webhook to your backend
Step 3	Webhook endpoint authenticates and logs the signal in Supabase
Step 4	Frontend Trading Chart fetches signals and shows markers
Step 5	If alerts enabled, users get notified via email/SMS/push
Step 6	Optional: Signal data is used for profit/loss calculations

Example Webhook Payload

```
{
  "symbol": "BTCUSDT",
  "price": 67000,
  "type": "buy",
  "time": "2025-06-28T10:35:00Z",
  "note": "MACD crossover"
}
```

Key Notes

- This is an analytics system, not a real trading platform.

- Alerts are visualized on charts and sent via SMS, Email, or Push notifications.

- Signals are securely sent via webhook and stored in Supabase.

- Charts display markers using TradingView Lightweight Chart library.

- Admins can view signals and backtest profit/loss in dashboards.