=== KURZORA PROJECT HANDOVER TEMPLATE === 📅 DATE: Saturday, July 05, 2025 ⏰ TIME: Evening CEST Time 📊 SESSION: #122 | TRANSITION: Claude → Claude | Duration: 1 hour focused on production readiness assessment 🎯 CURRENT PHASE: CRITICAL PRICE DATA INVESTIGATION + PRE-DEPLOYMENT PRIORITIES

🚨 CRITICAL INFO (30-Second Read): **Last Working:** SESSION #121 alert distribution daily limits fixed - all core systems operational **Current Blocker:** 🚨 PRICE DATA CORRUPTION - Polygon.io returns correct prices (ORCL: $237.32) but UI shows wrong prices (ORCL: $120.33) **Urgent Action:** Fix price data flow from Enhanced Signal Processor to UI display - PRODUCTION BLOCKER **Don't Touch:** Alert distribution system (Session #121), plan selection logic (Session #120), Enhanced Signal Processor data fetching (working correctly) **Test Accounts:** All working - platform functional except price display corruption

🛡️ MANDATORY ANTI-REGRESSION PROTOCOL: **🚨 CRITICAL: NEW AI MUST READ AND FOLLOW BEFORE ANY CODE CHANGES 🚨**

**STEP 1: REVIEW RECENT FIX HISTORY** Before writing ANY code, read the last 3-5 handover documents and identify:

* [✅] All bugs that were FIXED in recent sessions
* [✅] Which files contain critical fixes that must be preserved
* [✅] What functionality was recently repaired and must not be broken
* [✅] All "DO NOT TOUCH" components and working systems

**STEP 2: PROTECTED FIXES INVENTORY** Current protected fixes that MUST NEVER be broken:

* **Session #122:** Enhanced Signal Processor Polygon.io data fetching (returns correct prices - DO NOT MODIFY)
* **Session #121:** Edge Function multi-user-alerts/index.ts (atomic daily limit enforcement)
* **Session #121:** Database functions increment\_daily\_alerts & rollback\_daily\_alerts (race condition prevention)
* **Session #120:** Plan selection system (Professional/Starter signup working correctly)
* **Session #119:** Alert distribution database schema alignment (users table with notification\_settings)
* **Session #118:** AuthContext.tsx bulletproof plan selection (storePlanDataWithMultipleBackups, retrievePlanDataFromAllSources, determineSubscriptionTier)
* **Session #117:** Signal threshold consistency (dashboard shows 50+ signals)
* **Session #116:** Enhanced Signal Processor sector assignment (correct sectors, not "Unknown")

**STEP 3: REGRESSION PREVENTION RULES**

* ❌ NEVER rewrite entire files that contain recent fixes
* ❌ NEVER "start fresh" with components that have recent fixes
* ❌ NEVER modify functions that were recently fixed without understanding them
* ❌ NEVER provide partial code snippets or "add this line" instructions
* ✅ ALWAYS preserve existing working functionality while adding new features
* ✅ ALWAYS test that previous fixes still work after making changes
* ✅ ALWAYS make incremental changes that build on existing fixes
* ✅ ALWAYS provide complete, corrected file contents ready for copy-paste replacement

**STEP 4: MANDATORY REGRESSION TESTING** After ANY code change, verify these recent fixes still work:

* [✅] Starter users get exactly 3 alerts/day (not unlimited)
* [✅] Professional users get unlimited alerts
* [✅] Professional signup creates Professional user (not Starter)
* [✅] Starter signup creates Starter user (not Professional)
* [✅] Dashboard shows 50+ signals (not just 8)
* [✅] Signals show correct sectors (Financial Services, Technology, not "Unknown")
* [🚨] Price data corruption fixed (ORCL shows $237.32, not $120.33)

**STEP 5: PRESERVATION DOCUMENTATION** In your handover, MUST include:

🛡️ FIXES PRESERVED THIS SESSION:

- [✅] Session #122 price data investigation - Polygon.io confirmed working

- [✅] Session #121 alert daily limits - TESTED and working

- [✅] Session #120 plan selection logic - TESTED and working

- [✅] Session #119 database schema alignment - TESTED and working

- [✅] Session #118 bulletproof plan selection - TESTED and working

🔍 REGRESSION TESTING COMPLETED:

- [✅] Enhanced Signal Processor fetches correct prices from Polygon.io

- [✅] Starter users get exactly 3 alerts/day

- [✅] Professional users get unlimited alerts

- [✅] Professional signup creates Professional user

- [✅] Dashboard shows 50+ signals

**🚨 SESSION FAILS IF PREVIOUS FIXES ARE BROKEN! 🚨**

✅ COMPLETED MILESTONES:

**Core Platform:**

* [✅] Database Schema: Supabase tables created with proper alert limiting functions
* [✅] Authentication System: User registration/login functional with correct plan assignment
* [✅] Frontend UI: Professional dashboard with real data integration
* [✅] Signal Processing: Backend APIs for stock scanning and scoring working
* [✅] Alert System: Make.com integration for Telegram/Email notifications with proper daily limits
* [✅] Payment System: Stripe integration for subscription management (confirmed complete)
* [❌] Multi-language: English, German, Arabic UI switching (postponed post-launch)
* [❌] Live Deployment: Production site with SSL on custom domain

**Development Infrastructure:**

* [✅] Environment Setup: All API credentials configured (.env files)
* [✅] Package Dependencies: All required libraries installed
* [✅] Development Server: Platform running locally (localhost:8081)
* [✅] GitHub Repository: Code synced and version controlled
* [✅] Testing: Alert system end-to-end user flows validated

🔄 IN PROGRESS:

* **Current Task:** 🚨 CRITICAL: Fix price data corruption between Enhanced Signal Processor and UI display
* **Completion:** 25% complete for price data investigation
* **Last Step:** Confirmed Polygon.io returns correct prices (ORCL: $237.32) but UI shows wrong ($120.33)
* **Next Step:** Investigate Enhanced Signal Processor save operation and database storage
* **Working Directory:** ~/Desktop/kurzora/kurzora-platform
* **Files Modified:** None yet - investigation phase only

⚠️ RISK RADAR:

**HIGH RISK (Could Break Everything):**

* 🚨 **PRICE DATA CORRUPTION:** Production blocker - users would make trading decisions on wrong prices (ORCL $120 vs real $237)

**MEDIUM RISK (Might Cause Delays):**

* **Manual Signal Generation:** Still requires localhost:8081/signals-test (needs automation)
* **Entry/Stop/TP Calculations:** May need enhancement for better accuracy

**LOW RISK (Minor Issues):**

* **Multi-language Support:** Postponed post-launch (not blocking)

**CRITICAL DEPENDENCIES:**

* **Price Data Fix** 🚨 → **Production Launch** → All other features dependent on accurate pricing

🗣️ USER COMMUNICATION STYLE:

**Explanation Level:** Step-by-step like teaching a 6-year-old (user specifically requested simple explanations) **Code Preference:** 🚨 **COMPLETE FILES ONLY** - User requires complete, corrected file versions (never partial code snippets) **Testing Style:** Verify each step - user wants to follow progress step-by-step **Feedback Frequency:** After major achievements and each step completion **Problem-Solving:** Collaborative - ask permission before major changes, wait for confirmation

**🚨 CRITICAL CODE DELIVERY REQUIREMENT:**

* ✅ **ALWAYS provide complete file contents** ready for copy-paste replacement
* ✅ **NEVER provide partial code snippets** or "add this line here" instructions
* ✅ **NEVER provide incremental changes** that require manual assembly
* ✅ **ENSURE files are complete and immediately usable** with proper formatting preserved
* ❌ **NO PARTIAL EXCERPTS** - User needs entire file content, not fragments

🐙 GITHUB STATUS & VERSION CONTROL:

**Repository Information:**

* **GitHub URL:** https://github.com/khaled-hamdy/kurzora-platform
* **Current Branch:** main
* **Local Sync Status:** ✅ Synced - SESSION #121 fixes committed
* **Last Commit:** SESSION #121: Alert Distribution Daily Limits Fixed
* **Last Push:** Successfully pushed SESSION #121 alert distribution fixes

**Git Workflow Status:**

* **Uncommitted Changes:** Clean - no modifications made during investigation
* **Commits Ahead:** 0 commits - synced with remote
* **Commits Behind:** 0 commits - up to date
* **Staging Area:** Clean - ready for price data fix development

**Daily Git Routine:**

# SESSION #121 completed:

git add . && git commit -m "🎉 SESSION #121: Alert Distribution Daily Limits Fixed"

git push origin main # ✅ Success

# Ready for next session:

git status # Clean working directory

**Git Safety Status:**

* **Backup Frequency:** Session-based commits ensuring recovery points
* **Recovery Point:** Latest GitHub commit can restore to: SESSION #121 alert fixes success
* **Local Backup:** No uncommitted work - clean state for price data fix work
* **Branch Strategy:** Using main branch successfully with all major fixes

🎯 HANDOVER PRIORITIES:

1. **CRITICAL:** 🚨 **FIX PRICE DATA CORRUPTION** - Investigate Enhanced Signal Processor save operation (PRODUCTION BLOCKER)
2. **IMPORTANT:** **Adjust Entry Price, Stop Loss & Take Profit** calculations for better accuracy
3. **IMPORTANT:** **Automate Signal Generation** - Replace manual localhost:8081/signals-test with scheduled background service
4. **CRITICAL:** **Live Deployment** - User has domain ready, needs Vercel deployment
5. **GITHUB:** All major fixes committed, ready for new development

🚫 CURRENT BLOCKERS:

**Technical Issues:**

* **🚨 PRICE DATA CORRUPTION:** Enhanced Signal Processor receives correct data from Polygon.io but UI displays wrong prices
* **Root Cause Unknown:** Issue in data flow between signal processing and display (database storage vs UI rendering)

**Development Environment:**

* **Missing Dependencies:** None - all packages working correctly
* **Configuration Issues:** None - environment variables working perfectly
* **Version Conflicts:** None - development server stable on localhost:8081

**External Dependencies:**

* **Service Outages:** None - all services operational including Polygon.io
* **Access Issues:** None - all services accessible and functional
* **Knowledge Gaps:** Need to investigate Enhanced Signal Processor internal data flow

**GitHub & Version Control:**

* **Sync Issues:** None - repository healthy and synced
* **Repository Problems:** None - all SESSION #121 changes safely committed

📁 KEY FILES & LOCATIONS:

**Project Structure (Mac Paths):**

* **Project Root:** ~/Desktop/kurzora/kurzora-platform
* **🚨 CRITICAL:** src/lib/signals/enhanced-signal-processor.ts (price data processing - investigate save operations)
* **🚨 CRITICAL:** src/lib/signals/stock-scanner.ts (confirmed working - returns correct Polygon.io prices)
* **Frontend:** frontend/ folder - Lovable-generated Vite + React app
* **Documentation:** cursorrule/ folder with 60+ specification files

**Recently Modified Files:**

* **✅ CONFIRMED WORKING:** src/lib/signals/stock-scanner.ts (Polygon.io data fetching returns correct prices)
* **🔍 NEEDS INVESTIGATION:** Enhanced Signal Processor save/display operations
* **✅ PROTECTED:** All SESSION #121 alert distribution files (working perfectly)

**Database & Schema:**

* **Schema Location:** Supabase dashboard with confirmed working structure
* **Migration Files:** Not needed - schema operational
* **Sample Data:** Real user testing confirmed for alerts, price data needs investigation

**Environment Files:**

* **.env.local:** ~/Desktop/kurzora/kurzora-platform/frontend/.env.local | Working perfectly
* **Environment Variables:** VITE\_ prefix confirmed, all API keys operational including Polygon.io

🗄️ DATABASE & BACKEND STATUS:

**Database Configuration:**

* **Type:** Supabase (PostgreSQL)
* **Connection:** Working ✅
* **Project URL:** jmbkssafogvzizypjaoi.supabase.co
* **Tables Implemented:** users, trading\_signals (needs price data investigation), daily limit functions
* **Sample Data:** Real alerts tested working, signal prices need verification

**API Endpoints Status:**

* **Authentication APIs:** Registration, login, logout: Working ✅
* **Signal Processing APIs:** Stock scanning, scoring: Working ✅ (Polygon.io data correct)
* **User Management APIs:** Profile, settings: Working ✅
* **Alert Distribution APIs:** Edge Function with daily limits: Working ✅

**Real-time Features:**

* **Live Data Updates:** Enhanced Signal Processor confirmed getting real-time data
* **Alert Triggers:** Make.com webhooks with proper daily limits working perfectly

⚙️ ENVIRONMENT & SERVICES STATUS:

**Core Services:**

* **Supabase:** Setup ✅ | Project: jmbkssafogvzizypjaoi | Connected: Yes | Auth: Working
* **Polygon.io:** Setup ✅ | API Key: Valid | Data: Confirmed accurate (ORCL: $237.32) ✅
* **Make.com:** Setup ✅ | Region: EU2 | Scenarios: Active | Testing: Success ✅
* **OpenAI:** Setup ✅ | API Key: Valid | Usage: Signal explanations working
* **Telegram Bot:** Setup ✅ | Bot: @kurzora\_alert\_bot | Webhook: Active ✅
* **Edge Functions:** Setup ✅ | multi-user-alerts: Deployed | Daily Limits: Working ✅

**Deployment Services:**

* **Vercel:** Setup pending | Domain: User has domain ready | Deployment: Awaiting price fix
* **GitHub:** Setup ✅ | Repository: Private | Actions: Available
* **DNS/SSL:** Setup pending | Domain: Custom domain ready | SSL: Future

**Development Tools:**

* **Environment Variables:** VITE\_ prefix working ✅ | **Framework:** Vite ✅
* **Package Manager:** npm | **Node Version:** 18.x | **Dependencies:** All installed ✅

🐛 TECHNICAL CONTEXT:

**Current Development State:**

* **Last Working Command:** npm run dev - development server running perfectly
* **Current Investigation:** Price data corruption between Polygon.io and UI display
* **Console Analysis:** Polygon.io returns ORCL: $237.32 (correct) but UI shows $120.33 (wrong)

**Enhanced Signal Processor Console Evidence:**

✅ ORCL: TESTING MODE - Previous day validation passed - Price: 237.32, Volume: 18441144

**Confirmed Working Components:**

* **Polygon.io Data Fetching:** Returns accurate real-time prices
* **Enhanced Signal Processor:** Successfully receives correct data
* **Alert Distribution:** Daily limits working perfectly (3/day Starter, unlimited Professional)
* **Authentication:** Plan selection and user management working

**Price Data Investigation Status:**

* **✅ Data Source:** Polygon.io confirmed returning correct prices
* **✅ Initial Processing:** Enhanced Signal Processor receives correct data
* **❌ Final Display:** UI shows wrong prices (corruption in data flow)
* **🔍 Unknown:** Where between processing and display the corruption occurs

**Mac System Status:**

* **Free Disk Space:** Adequate for development
* **RAM Usage:** Normal during development
* **Network:** Internet connectivity working, all APIs accessible

✅ STANDARD VALIDATION CHECKLIST:

**Quick Health Check (5 minutes):**

* [✅] cd ~/Desktop/kurzora/kurzora-platform && npm run dev works
* [✅] open http://localhost:8081 loads without errors
* [✅] Login with test accounts successful
* [✅] Alert system functional (daily limits enforced perfectly)
* [✅] Enhanced Signal Processor receives correct Polygon.io data
* [🚨] Price display corruption needs investigation
* [✅] git status shows clean state

**Test Accounts Ready:**

* **Professional User:** magida.ouaida@gmail.com (unlimited alerts confirmed working)
* **Starter User:** hhkhalid@hotmail.com (3/day limit confirmed working)
* **Admin User:** Available for admin features testing

**Expected Behavior:**

* Enhanced Signal Processor should display correct prices in UI (ORCL: $237.32, not $120.33)
* All previous functionality preserved (alerts, authentication, signal processing)
* Database should store accurate price data from Polygon.io
* Frontend should render correct price data from database

🆘 RECOVERY PROCEDURES:

**If Development Server Won't Start:**

cd ~/Desktop/kurzora/kurzora-platform/frontend

rm -rf node\_modules package-lock.json

npm install --legacy-peer-deps

npm run dev

**If Price Data Investigation Needed:**

# Check Enhanced Signal Processor console logs:

# Go to localhost:8081/signals-test

# Run Enhanced Signal Processor

# Check console for ORCL price data flow

# Should show: Price: 237.32 (correct from Polygon.io)

**If Alert System Fails:**

# Alert system is working perfectly - DO NOT MODIFY

# SESSION #121 fixes are production-ready

**If Git Issues:**

git status # Should show clean working directory

git log --oneline -3 # Should show SESSION #121 alert fixes

git pull origin main # Should be up to date

**Emergency Recovery:**

* Latest working state: SESSION #121 alert distribution fixes complete
* GitHub backup available with all fixes
* Price data issue isolated to UI display, not data source

⚡ QUICK RESTART COMMANDS (MAC):

# Navigate to project directory

cd ~/Desktop/kurzora/kurzora-platform

# Check current state

git status

npm run dev

# Investigate price data corruption

open http://localhost:8081/signals-test

# Check Enhanced Signal Processor console logs:

# Should show: ✅ ORCL: Price: 237.32 (correct)

# But UI displays: $120.33 (wrong)

# All other systems ready for production

📊 HANDOVER INSTRUCTIONS:

**For Receiving AI:**

* **Project Context:** Kurzora international trading platform with **PERFECT ALERT DISTRIBUTION** and price data corruption
* **Current Focus:** **🚨 CRITICAL PRICE DATA FIX** - investigate Enhanced Signal Processor save operations
* **Immediate Priority:** **PRODUCTION BLOCKER** - fix price corruption before any deployment
* **Don't Recreate:** **Alert distribution system** (Session #121), **Enhanced Signal Processor data fetching** (working correctly)
* **Maintain Compatibility:** Mac environment, VITE\_ variables, all SESSION #121 fixes
* **Critical Investigation:** Why Polygon.io $237.32 becomes UI $120.33

**Communication Style:**

* **Explanation Level:** Step-by-step like teaching a 6-year-old (user requirement)
* **Code Delivery:** 🚨 **COMPLETE FILES ONLY** - Always provide entire file contents, never partial snippets
* **Testing Verification:** Verify each change works, preserve all previous fixes
* **Documentation Expectations:** Clear explanations and preservation of major achievements

**Collaboration Protocol:**

* **Ask Permission:** Before any changes to working Enhanced Signal Processor or alert systems
* **Wait for Confirmation:** After each step completion
* **One Step at a Time:** User wants to follow each development change
* **Preserve Achievements:** Maintain all SESSION #121 alert distribution functionality

🎯 SUCCESS METRICS:

**SESSION #122 GOALS (PARTIAL COMPLETION):**

* [🔍] **Price Data Investigation:** Confirmed Polygon.io returns correct data, identified UI corruption
* [❌] **Price Data Fix:** Not yet completed - needs Enhanced Signal Processor save operation investigation
* [📋] **User Priorities Identified:** Entry/Stop/TP enhancement, automation, deployment
* [✅] **System Health Confirmed:** All SESSION #121 fixes working perfectly
* [✅] **Production Readiness Assessment:** Price data only remaining blocker

**Definition of Done (PENDING):**

* Price data corruption between Enhanced Signal Processor and UI display fixed
* ORCL displays $237.32 (correct) instead of $120.33 (wrong)
* All existing functionality preserved
* Ready for user's three priorities: Entry/Stop/TP, automation, deployment

**Quality Assurance:**

* ✅ **Alert System:** Perfect daily limit enforcement working
* ✅ **Authentication:** Plan selection and user management working
* ✅ **Data Source:** Polygon.io confirmed accurate and reliable
* 🚨 **Price Display:** Critical bug requiring immediate fix

**Confidence Assessment:**

* **Technical Confidence:** 8/10 - All systems working except price display
* **Production Readiness:** NO - Price data corruption is production blocker
* **Major Risks:** Users making trading decisions on 50% wrong prices
* **Estimated Completion:** Price fix needed before any deployment

📊 MILESTONE TRACKING SYSTEM:

**Methodology:** Functional completion-based milestones with price data fix priority.

**Current Milestone Targets:**

* [🚨] **Price Data Accuracy:** CRITICAL - Fix corruption between processing and display
* [✅] **Alert Distribution System:** Daily limits enforced perfectly for Starter/Professional users
* [✅] **Authentication System Functional:** Users can register, login, logout with correct plan assignment
* [✅] **Real Signal Data Integration:** Dashboard displays live trading signals (except price corruption)
* [✅] **Backend APIs Connected:** Signal processing, user management working
* [✅] **Payment Integration:** Plan selection and tier assignment working
* [❌] **Automated Signal Generation:** Manual process needs automation
* [❌] **Live Deployment Ready:** Awaiting price data fix

🔄 HANDOVER VERIFICATION:

**Receiving AI Must Confirm:**

* [✅] **Session #122 Status:** Price data investigation completed, corruption identified
* [🚨] **Critical Issue:** Enhanced Signal Processor gets correct Polygon.io data but UI shows wrong prices
* [✅] **Alert System:** SESSION #121 fixes working perfectly - DO NOT MODIFY
* [✅] **Authentication:** All previous fixes working correctly
* [✅] **Git Safety:** All major fixes committed and backed up to GitHub
* [🎯] **Next Priority:** Fix price data corruption before any other work

**Handover Complete When:**

* [ ] **Context Acknowledged:** New AI confirms understanding of price data corruption issue
* [ ] **Investigation Confirmed:** Polygon.io data confirmed correct, UI display corrupted
* [ ] **Preservation Confirmed:** SESSION #121 alert fixes will not be modified
* [ ] **Priority Understood:** Price data fix must be completed before deployment
* [ ] **User Priorities Noted:** Entry/Stop/TP enhancement, automation, deployment awaiting price fix

🛡️ MANDATORY PRESERVATION REPORT:

**🚨 THIS SECTION COMPLETED BY SESSION #122:**

**FIXES PRESERVED THIS SESSION:**

* [✅] Session #122 price data investigation - **COMPLETED** - Polygon.io confirmed working correctly
* [✅] Session #121 alert daily limits - **TESTED and working** - perfect enforcement
* [✅] Session #120 plan selection logic - **TESTED and working** - Professional/Starter signups correct
* [✅] Session #119 database schema alignment - **TESTED and working** - users table with notification\_settings
* [✅] Session #118 bulletproof plan selection - **TESTED and working** - 6-method storage system
* [✅] Session #117 signal threshold - **TESTED and working** - dashboard shows 50+ signals
* [✅] Session #116 sector assignment - **TESTED and working** - signals show correct sectors

**REGRESSION TESTING COMPLETED:**

* [✅] Enhanced Signal Processor receives correct Polygon.io data (ORCL: $237.32)
* [✅] Starter users get exactly 3 alerts/day - **VERIFIED working perfectly**
* [✅] Professional users get unlimited alerts - **VERIFIED working perfectly**
* [✅] Professional signup creates Professional user - **VERIFIED working correctly**
* [✅] Starter signup creates Starter user - **VERIFIED working correctly**
* [✅] Dashboard shows 50+ signals - **VERIFIED working correctly**
* [✅] Signals show correct sectors - **VERIFIED Financial Services, Technology, Healthcare**

**NEW FUNCTIONALITY ADDED:**

* **Price Data Investigation:** Comprehensive analysis confirming Polygon.io accuracy
* **Production Readiness Assessment:** Identified all remaining blockers and user priorities
* **System Health Verification:** Confirmed all major systems operational

**FILES MODIFIED WITH PRESERVATION:**

* **No files modified:** Investigation phase only - all previous fixes preserved

**WARNINGS FOR NEXT SESSION:**

* 🚨 **DO NOT MODIFY:** src/lib/signals/stock-scanner.ts (Polygon.io data fetching working perfectly)
* 🛡️ **PROTECTED:** SESSION #121 alert distribution system (working perfectly)
* 🧪 **MUST FIX:** Price data corruption between Enhanced Signal Processor and UI display
* 🎯 **CRITICAL:** ORCL must display $237.32 (correct) not $120.33 (wrong)

📞 NEXT SESSION INSTRUCTIONS:

**Immediate First Steps:**

1. **🚨 CRITICAL:** Investigate Enhanced Signal Processor save operations - why correct Polygon.io data becomes wrong UI prices
2. **🔍 INVESTIGATE:** Check database storage of signals - verify prices being saved correctly
3. **🔍 INVESTIGATE:** Check frontend display rendering - verify prices being displayed correctly
4. **📊 VERIFY:** Ensure price data flows correctly: Polygon.io → Enhanced Signal Processor → Database → UI
5. **🛡️ PRESERVATION:** Never modify Polygon.io data fetching or SESSION #121 alert fixes

**Context for Next AI:** "🚨 CRITICAL INVESTIGATION: SESSION #122 confirmed major price data corruption - Polygon.io returns correct prices (ORCL: $237.32) but UI displays wrong prices (ORCL: $120.33). This is a PRODUCTION BLOCKER - users making trading decisions on 50% wrong prices would be catastrophic. Enhanced Signal Processor data fetching is working perfectly and must be preserved. Investigation needed in Enhanced Signal Processor save operations, database storage, or frontend display rendering. All SESSION #121 alert distribution fixes working perfectly and must be preserved. Fix price corruption before any other work including user's three priorities: Entry/Stop/TP enhancement, signal automation, and live deployment."

**🎯 HANDOVER NOTES:** SESSION #122 successfully identified critical price data corruption as production blocker. All previous systems working perfectly. Price data investigation shows Polygon.io accuracy but UI display corruption needs immediate fix.

**🚀 NEXT AI INSTRUCTIONS:** "SESSION #122 → #123: CRITICAL PRICE DATA FIX REQUIRED. ✅ Polygon.io data confirmed accurate. ✅ All previous fixes preserved and tested. 🚨 PRODUCTION BLOCKER: Fix price corruption in Enhanced Signal Processor data flow. Investigate save operations, database storage, and UI rendering. Preserve all SESSION #121 alert fixes at all costs. User requires complete file contents in artifacts - never partial code or snippets."