









Bio-Quantum AI Trading Platform Workspace Restoration - COMPLETE

Phase 1: Extract and analyze provided project files and documentation

-  ~~Check existing files and directories in sandbox~~
-  ~~Inform user about session isolation and inability to restore previous work~~
-  ~~Create task plan for workspace recreation~~
-  ~~Receive project archive and documentation from user~~
-  ~~Extract complete project archive (ai-trading-platform-COMPLETE-CURRENT-20250702-0538.tar.gz)~~
-  ~~Analyze project structure and components~~
-  ~~Review Phase 5A completion summary~~
-  ~~Review remaining documentation files~~

Phase 2: Review project documentation and current state

-  ~~Analyze Phase 5A completion summary (RL Agent + Backtesting complete)~~
-  ~~Review updated next steps documentation~~
-  ~~Understand current project status and architecture~~
-  ~~Identify all components and their relationships~~

Phase 3: Restore project structure and dependencies

- ✓ Install Node.js 20 and pnpm for frontend
- ✓ Install frontend dependencies for AI onboarding wizard
- ✓ Install backend dependencies for integration demo
- ✓ Install PyTorch and ML dependencies for RL agent
- ✓ Set up all required development environments

Phase 4: Test and validate restored components ✓

- ✓ Start backend Flask server (port 5000) - ✓ Running
- ✓ Start RL API server (port 5001) - ✓ Running
- ✓ Start frontend React development server (port 5173) - ✓ Running
- ✓ Test frontend AI onboarding interface - ✓ Working
- ✓ Test backend API health endpoints - ✓ Responding
- ✓ Validate all services are operational

Phase 5: Deploy demo site and services ✓

- ✓ Deploy frontend to permanent URL: <https://tkvcwtmb.manus.space>
- ✓ Deploy backend API to permanent URL: <https://qjh9iecew69j.manus.space>
- ✓ Test deployed services functionality
- ✓ Verify public accessibility

Phase 6: Deliver restored workspace and provide status update ✓

- ✓ Document all restored components and URLs

- ✓ Provide comprehensive status update to user
- ✓ Deliver complete workspace package

RESTORATION COMPLETE - ALL SYSTEMS OPERATIONAL



✓ Successfully Restored Components:

- **AI Trading Platform:** Complete project structure with all components
- **AI Onboarding Wizard:** React frontend with comprehensive UI
- **Integration Demo:** Flask backend with full API functionality
- **RL Agent:** Phase 5A complete - DQN implementation with backtesting
- **Blockchain Photonic Gateway:** Quantum-secured blockchain components
- **CI/CD Pipeline:** Docker, Kubernetes, deployment configurations

Live Deployment URLs:

- **Frontend Demo:** <https://tkvcwtmb.manus.space>
- **Backend API:** <https://qjh9iecew69j.manus.space>



Current Status:

- Phase 5A (RL Agent + Backtesting): ✓ COMPLETE
- All services tested and validated: ✓ OPERATIONAL
- Demo site ready for investor presentations: ✓ READY
- Notion sync framework: ✓ AVAILABLE
- Investor deck materials: ✓ DOCUMENTED

Phase 2: Gather requirements and specifications for Bio-Quantum AI Trading Platform

- ☐ Collect platform specifications and requirements
- ☐ Review any existing documentation provided by user
- ☐ Define core features and functionality
- ☐ Establish project structure and architecture

Phase 3: Create project structure and core platform files

- ☐ Set up main project directory structure
- ☐ Create backend API framework (Flask/FastAPI)
- ☐ Set up frontend framework (React)
- ☐ Implement core data models and schemas
- ☐ Create configuration files and environment setup

Phase 4: Develop demo site with trading interface

- ☐ Design trading dashboard UI
- ☐ Implement AI onboarding flow
- ☐ Create DNA-based database visualization
- ☐ Build RL strategy execution interface
- ☐ Add MetaTrader integration components
- ☐ Implement blockchain wallet setup

Phase 5: Implement Notion sync integration

- ☐ Set up Notion API integration
- ☐ Create sync service for data exchange
- ☐ Implement task management synchronization
- ☐ Add automated reporting features

Phase 6: Create investor deck presentation

- ☐ Design presentation structure and content
- ☐ Create slides with platform overview
- ☐ Add technical architecture diagrams
- ☐ Include market analysis and projections
- ☐ Generate visual assets and charts

Phase 7: Develop RL AI integration components

- ☐ Implement DQN (Deep Q-Network) integration
- ☐ Create strategy simulation engine
- ☐ Build backtesting service with reporting
- ☐ Set up RL training pipeline
- ☐ Add performance monitoring and analytics

Phase 8: Deploy and deliver complete workspace

- ☐ Test all components locally
- ☐ Deploy demo site to public URL
- ☐ Deploy backend services

- ☐ Provide documentation and user guides
- ☐ Deliver final workspace package