**Complete Project File Structure**

kurzora-platform/

├── 📁 frontend/ # Your existing Lovable-generated frontend

│ ├── 📄 package.json # ADD my dependencies to your existing file

│ ├── 📄 .env.local # Environment variables (CREATE this file)

│ ├── 📄 .env.example # Environment template (CREATED ✅)

│ ├── 📄 next.config.ts # Next.js configuration (CREATED ✅)

│ ├── 📄 tailwind.config.js # Tailwind CSS config (from Lovable)

│ ├── 📄 tsconfig.json # TypeScript config (from Lovable)

│ ├── 📄 middleware.ts # Next.js middleware (CREATED ✅)

│ ├── 📄 vercel.json # Vercel deployment config (CREATED ✅)

│ ├── 📄 vite-env.d.ts # Vite environment types (from Lovable)

│ ├── 📄 index.html # Main HTML file (from Lovable)

│ ├── 📄 vite.config.ts # Vite configuration (from Lovable)

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│ ├── 📁 src/ # Your existing Lovable source folder

│ │ ├── 📄 App.tsx # Main App component (from Lovable)

│ │ ├── 📄 main.tsx # Main entry point (from Lovable)

│ │ ├── 📄 App.css # App styles (from Lovable)

│ │ ├── 📄 index.css # Index styles (from Lovable)

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│ │ ├── 📁 components/ # Your existing Lovable components

│ │ │ ├── 📁 admin/ # (from Lovable)

│ │ │ ├── 📁 auth/ # ADD - Authentication components HERE

│ │ │ │ ├── 📄 LoginForm.tsx

│ │ │ │ ├── 📄 SignupForm.tsx

│ │ │ │ └── 📄 AuthProvider.tsx

│ │ │ ├── 📁 charts/ # (from Lovable)

│ │ │ ├── 📁 dashboard/ # (from Lovable)

│ │ │ ├── 📁 landing/ # (from Lovable)

│ │ │ ├── 📁 orders/ # (from Lovable)

│ │ │ ├── 📁 pricing/ # (from Lovable)

│ │ │ ├── 📁 profile/ # (from Lovable)

│ │ │ ├── 📁 signals/ # (from Lovable) - ADD my new signal components here

│ │ │ ├── 📁 testimonials/ # (from Lovable)

│ │ │ ├── 📁 ui/ # (from Lovable) - Basic UI components

│ │ │ ├── 📄 Footer.tsx # (from Lovable)

│ │ │ ├── 📄 Header.tsx # (from Lovable)

│ │ │ ├── 📄 LanguageToggle.tsx # (from Lovable)

│ │ │ ├── 📄 Layout.tsx # (from Lovable) - UPDATE to add AuthProvider

│ │ │ └── 📄 Navigation.tsx # (from Lovable)

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│ │ ├── 📁 pages/ # Your existing Lovable pages

│ │ │ ├── 📁 admin/ # (from Lovable)

│ │ │ ├── 📁 legal/ # (from Lovable)

│ │ │ ├── 📄 About.tsx # (from Lovable)

│ │ │ ├── 📄 Admin.tsx # (from Lovable)

│ │ │ ├── 📄 BrokerIntegration.tsx # (from Lovable)

│ │ │ ├── 📄 Contact.tsx # (from Lovable)

│ │ │ ├── 📄 Dashboard.tsx # (from Lovable) - UPDATE to integrate auth

│ │ │ ├── 📄 FAQ.tsx # (from Lovable)

│ │ │ ├── 📄 HowItWorks.tsx # (from Lovable)

│ │ │ ├── 📄 Index.tsx # Landing page (from Lovable)

│ │ │ ├── 📄 LandingPage.tsx # (from Lovable)

│ │ │ ├── 📄 NotFound.tsx # (from Lovable)

│ │ │ ├── 📄 OpenPositions.tsx # (from Lovable)

│ │ │ ├── 📄 Orders.tsx # (from Lovable)

│ │ │ ├── 📄 OrdersHistory.tsx # (from Lovable)

│ │ │ ├── 📄 Pricing.tsx # (from Lovable)

│ │ │ ├── 📄 Profile.tsx # (from Lovable) - UPDATE to integrate auth

│ │ │ ├── 📄 Settings.tsx # (from Lovable)

│ │ │ ├── 📄 SignalDetail.tsx # (from Lovable)

│ │ │ └── 📄 Signals.tsx # (from Lovable) - UPDATE with new functionality

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│ │ ├── 📁 lib/ # CREATE - Utility libraries

│ │ │ ├── 📄 supabase.ts # Supabase client (USE MY AUTH CODE)

│ │ │ ├── 📄 stripe.ts # Stripe client

│ │ │ ├── 📄 polygon.ts # Polygon.io client

│ │ │ ├── 📄 utils.ts # General utilities (may exist from Lovable)

│ │ │ ├── 📄 constants.ts # App constants

│ │ │ ├── 📁 auth/

│ │ │ │ └── 📄 auth-helpers.ts # Auth utility functions

│ │ │ ├── 📁 signals/

│ │ │ │ ├── 📄 signal-processor.ts # Core signal generation logic

│ │ │ │ ├── 📄 technical-indicators.ts # RSI, MACD, etc calculations

│ │ │ │ └── 📄 scoring-engine.ts # 0-100 scoring algorithm

│ │ │ ├── 📁 trading/

│ │ │ │ ├── 📄 paper-trading.ts # Paper trading logic

│ │ │ │ └── 📄 portfolio-manager.ts # Portfolio calculations

│ │ │ └── 📁 notifications/

│ │ │ ├── 📄 telegram-bot.ts # Telegram integration

│ │ │ ├── 📄 email-service.ts # Email notifications

│ │ │ └── 📄 make-webhooks.ts # Make.com integration

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│ │ ├── 📁 contexts/ # CREATE - React contexts

│ │ │ ├── 📄 AuthContext.tsx # Authentication state (USE MY CODE)

│ │ │ ├── 📄 LanguageContext.tsx # i18n language context

│ │ │ └── 📄 ThemeContext.tsx # Dark/light theme (may exist from Lovable)

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│ │ ├── 📁 hooks/ # CREATE - Custom React hooks

│ │ │ ├── 📄 useAuth.ts # Authentication hook

│ │ │ ├── 📄 useSignals.ts # Signals data hook

│ │ │ ├── 📄 usePaperTrades.ts # Paper trading hook

│ │ │ ├── 📄 useRealtime.ts # Real-time data hook

│ │ │ └── 📄 useLocalStorage.ts # Local storage hook

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│ │ ├── 📁 types/ # CREATE - TypeScript type definitions

│ │ │ ├── 📄 auth.ts # Auth-related types

│ │ │ ├── 📄 signals.ts # Signal data types

│ │ │ ├── 📄 trading.ts # Trading-related types

│ │ │ ├── 📄 database.ts # Database schema types

│ │ │ └── 📄 api.ts # API response types

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│ │ ├── 📁 data/ # CREATE - Static data and configurations

│ │ │ ├── 📄 stock-universe.json # S&P 500 tickers for Phase 1

│ │ │ ├── 📄 pricing-plans.json # Subscription plans

│ │ │ ├── 📄 testimonials.json # Customer testimonials

│ │ │ └── 📄 countries.json # Country/timezone data

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│ │ └── 📁 utils/ # Your existing Lovable utilities (if any)

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│ ├── 📁 public/ # Your existing Lovable public assets

│ │ ├── 📄 favicon.ico # (from Lovable)

│ │ ├── 📄 logo.svg # (from Lovable)

│ │ ├── 📁 images/ # (from Lovable)

│ │ └── 📁 icons/ # (from Lovable)

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│ └── 📁 guide/ # Lovable documentation (keep as reference)

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├── 📁 functions/ # Firebase Cloud Functions (separate from frontend)

│ ├── 📄 package.json # Functions dependencies (separate package.json)

│ ├── 📄 tsconfig.json # TypeScript config for functions

│ ├── 📄 index.ts # Main functions entry

│ ├── 📁 src/

│ │ ├── 📄 signal-scanner.ts # Main signal scanning function

│ │ ├── 📄 alert-dispatcher.ts # Send alerts to users

│ │ ├── 📄 data-processor.ts # Process market data

│ │ └── 📄 cleanup-tasks.ts # Database cleanup

│ └── 📁 lib/

│ ├── 📄 polygon-client.ts # Polygon.io integration

│ └── 📄 supabase-admin.ts # Supabase admin client

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├── 📁 docs/ # Documentation

│ ├── 📄 database-schema.sql # Master Database Schema (USE MY VERSION)

│ ├── 📄 deployment.md # Deployment guide

│ ├── 📄 api-documentation.md # API docs

│ └── 📄 lovable-migration.md # Migration notes from Lovable

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├── 📄 .gitignore # Git ignore rules

├── 📄 README.md # Project documentation

└── 📄 firebase.json # Firebase configuration (for functions)