

# AgriConnect Platform

Bridging farmers and markets through technology





# The Challenge Farmers Face Today

## Price Blind Spots

No real-time market data when making critical selling decisions

## Communication Gap

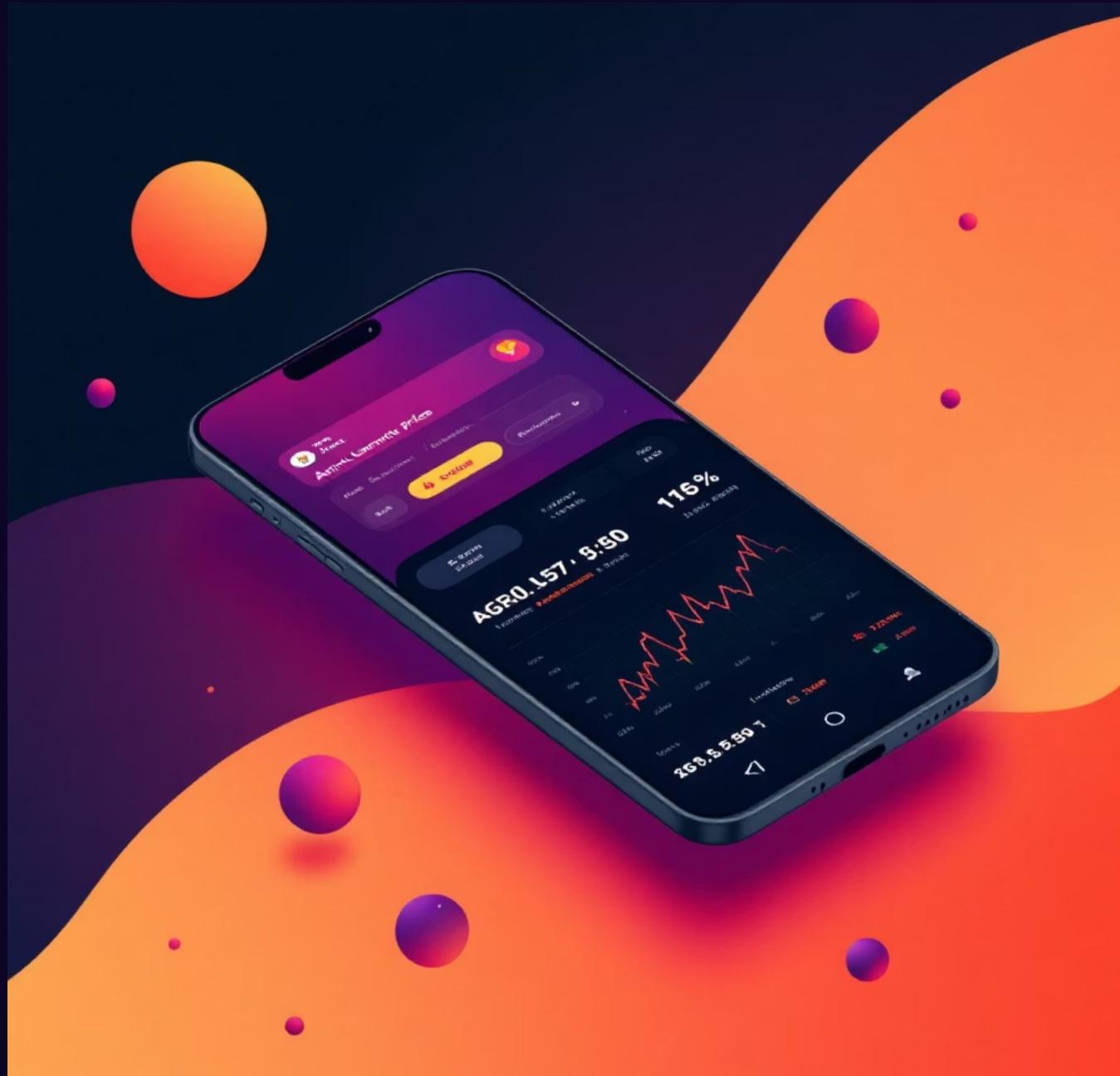
Disconnect between farmers and market heads limits opportunities

## Lost Revenue

Information asymmetry costs farmers thousands annually

# Our Solution: AgriConnect

A comprehensive digital platform connecting agricultural stakeholders in real-time



## Real-Time Market Intelligence

Verified price updates from market heads delivered instantly

## Direct Communication

Seamless channel between farmers and markets

## Field-Ready Access

Mobile-responsive design works anywhere, anytime

# Platform Capabilities



## Secure Authentication

Enterprise-grade security protecting user data and transactions



## Farmer Interface

Clean, simple view of current market prices and trends



## Live Updates

Real-time data synchronization ensures accuracy across all users



## Price Management

Intuitive dashboard for market heads to update pricing instantly



## Contact System

Direct request channel connecting farmers with market opportunities



## Access Control

Role-based permissions maintain data integrity and privacy

# Two-Tier User System

## Farmers

- View current market prices across regions
- Submit contact requests to market heads
- Access comprehensive market information
- Track price trends over time

## Market Heads

- Add and update market prices instantly
- Manage complete price listings
- Respond to farmer inquiries directly
- Reach broader farmer networks



# Built on Modern Technology

A robust, scalable architecture designed for reliability and performance



## Frontend Layer

### React & TypeScript

Type-safe, component-based UI with Tailwind CSS for responsive design



## Backend Infrastructure

### Lovable Cloud (Supabase)

Scalable cloud services with built-in real-time capabilities



## Data Layer

### PostgreSQL

Enterprise database with Row Level Security for data protection



## Authentication

### Email-Based Auth

Secure, passwordless authentication flow for all users

# Core Functionalities



## Price Management

- Create new entries
- Update existing prices
- Delete outdated data
- Real-time synchronization

## Contact System

- Request submission
- Direct messaging
- Response tracking
- Communication history

## Smart Dashboard

- Role-specific views
- Data visualization
- Management tools
- Analytics insights

# Enterprise-Grade Security

Protecting your data at every layer

1

## Row Level Security

Database policies isolate data by user role and permissions

2

## Authentication Flow

Secure email-based verification with encrypted token management

3

## Input Validation

All data sanitized and validated before processing

4

## API Protection

Encrypted transmission with protected endpoints throughout



# Real Impact, Real Benefits



## For Farmers

- Make data-driven selling decisions
- Eliminate information asymmetry
- Direct access to markets
- Maximize revenue potential

## For Market Heads

- Efficient price dissemination
- Streamlined farmer communication
- Expand market reach
- Build trusted relationships



# Join the AgriConnect Revolution

Transform agricultural markets through transparency and technology

## Ready to empower farmers?

Partner with us to bring price transparency to agricultural communities

**100%**

**Real-Time**

Market price accuracy

**24/7**

**Access**

Platform availability

$\infty$

**Potential**

For growth and impact