VAULTPAY – EXECUTIVE SUMMARY

Problem & Solution
Imagine paying for a service like a logo design online. You send money… but the provider disappears. No product. No refund.

This happens often. In peer-to-peer money transfers, trust is fragile, and there's rarely protection for the sender.

That's the problem I wanted to solve.

VaultPay is a secure *escrow system* where money is stored in a neutral vault.
The sender deposits the funds, sets conditions and an optional time limit.
The receiver accepts the terms. Funds are released *only* when conditions are met manually or automatically.

It's simple, secure, and perfect for trustless transactions between any two parties.

How VaultPay Works

Here's how VaultPay functions:

1. The sender initiates a transaction by setting:
    - Amount
    - Release condition (e.g., "Delivery Complete")
    - Optional expiry time
2. The receiver accepts the transaction
3. Funds are locked in the vault
4. Upon condition fulfillment, the sender releases the payment
    - If there's a timeout, funds can auto-return

Flow Summary
→ Sender creates vault → Receiver accepts → Vault holds funds → Sender releases (or auto-release) → Receiver gets paid

This reduces scam risks and ensures both sides are protected.

Technology & Architecture

VaultPay is powered by:

- **Frontend**: TypeScript using *Vite* and *Expo* for a smooth, cross-platform experience
- **Backend & Database**: *Supabase*, enabling real-time sync, secure auth, and PostgreSQL support

VaultPay isn't just for individuals.
It’s ideal for freelancers, NFT traders, marketplace users even rentals.

VaultPay makes peer-to-peer payments **secure**, **conditional**, and **stress-free**.

Thank you for your attention. I welcome your feedback.