

Pitch Deck — One Pager

My Focus

- Exploring low-level assembly coding as a way to understand how abstract rules map to physical enforcement.
- Inspired by Amazon Fresh's "Just Walk Out" technology; frictionless, automated, AI-driven recognition systems.
- Fascinated by the broader rise of Artificial Intelligence and how it shapes both trust and behavior in everyday life.

Why Assembly?

- Transparency: Assembly makes every rule explicit; nothing is hidden behind APIs.
- Performance: Critical for real-time recognition systems (from crypto wallets to AI-powered retail).
- Trust: By reducing abstraction, we can design systems that are verifiable, auditable, and minimal.

Demo Project

Scenario 8: Crypto Charity Wallet

- Accepts a donation → logs securely with sequence + checksum.
- Issues a recognition token → "Thanks: #<id>".
- Entirely implemented in ARM Cortex-M assembly.
- Shows how rules of recognition can live directly at the hardware level.

Why It Matters

- Amazon Fresh's Just Walk Out: Trustless automation of recognition and reward.
- Artificial Intelligence: Expanding this model to decisions far beyond retail.
- Assembly Coding: Offers a unique lens — we see how recognition, enforcement, and trust mechanisms really operate, instruction by instruction.

👉 Vision: Combine insights from low-level coding, retail AI systems, and gamified recognition to design transparent, high-trust technology for the future.