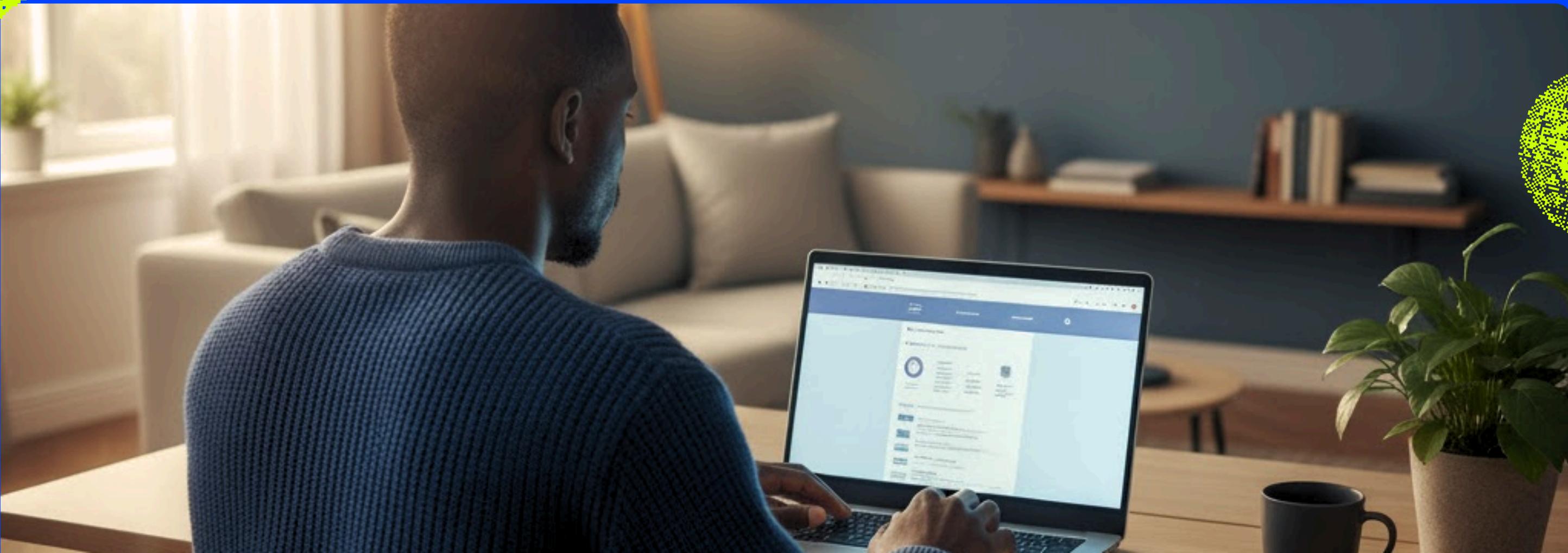




|  Paystream AI

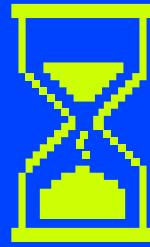
# Instant **Global Payroll** on Blockchain

Built on Arc Blockchain  
by Hausor Labs





# Global payroll is broken



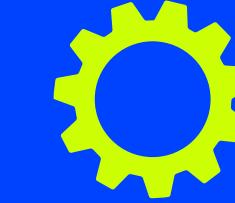
*Too Slow*

3-5 days to process



*Too Expensive*

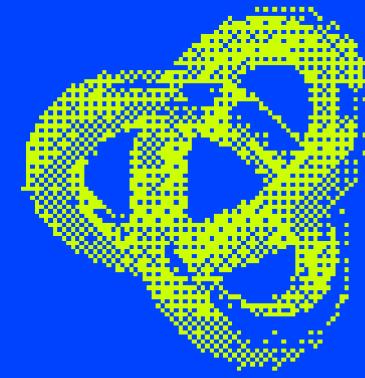
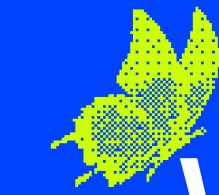
3-5% in fees



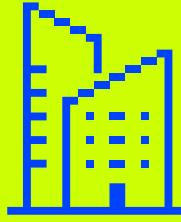
*Too Complex*

Manual tax calculations

*This is a \$1 Trillion industry problem*

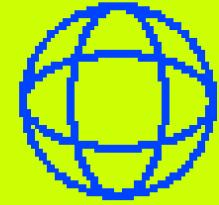


# Who's Suffering?



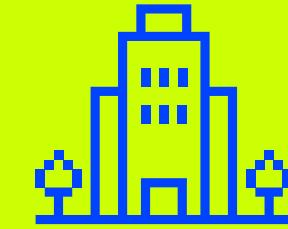
## *Small Businesses*

- Limited payroll budget
- Can't afford mistakes



## *Remote teams*

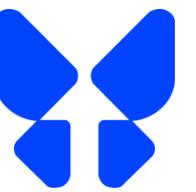
- Hiring globally
- Multiple currencies



## *Enterprises*

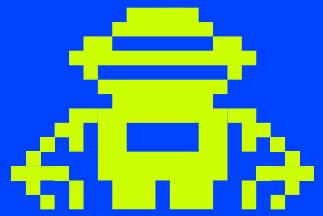
- Multi-country complexity
- Compliance nightmares

*650M+ workers need better payroll*



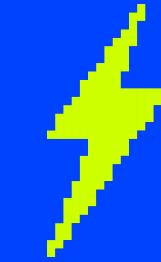
# Our Big Question

*Can AI agents + blockchain make payroll...*



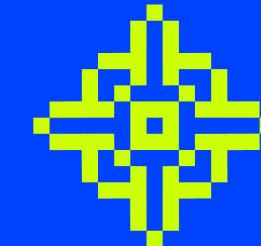
*Fully Autonomous?*

No human oversight



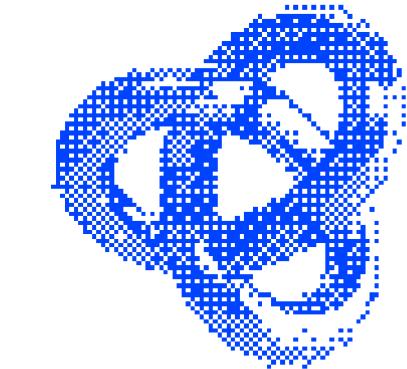
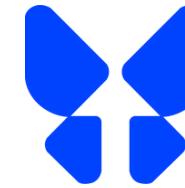
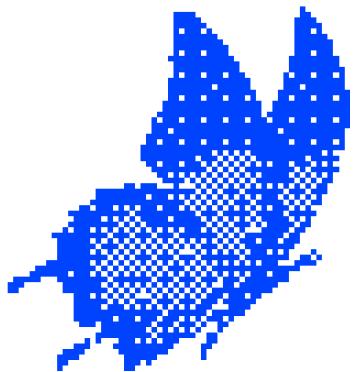
*Instant?*

2-5 seconds



*Accurate?*

100% compliant



# Paystream AI

*Autonomous payroll processing on  
blockchain with AI-powered validation*

The screenshot displays the Paystream AI dashboard. On the left, a sidebar includes icons for navigation, a search bar, and a user profile. The main area features a "Dashboard" section with four key metrics: Total Payroll (\$613,000), Total Employees (9), Pending Payments (9), and the Next Pay Run (Nov 23, 2025). Below this is a "Payroll Overview" chart showing team growth and payroll trends over 30 days. A prominent feature is a chat window titled "Penny AI Payroll Assistant" where the AI provides a welcome message and offers to review recent transactions. The dashboard also includes a sidebar for onboard employees and a button to run payroll with AI.

**Penny**  
AI Payroll Assistant

Hello Brian! I'm Penny, your AI payroll assistant. How can I help you with payroll today?  
08:22 PM

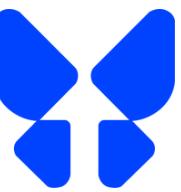
Review recent transactions  
08:25 PM

**Payroll Statistics:**

- Total Employees: 9
- Average Salary: \$68111.11
- Total Annual Payroll: \$613,000
- Salary Range: \$58,000 - \$78,000

08:25 PM

**Paystream AI Demo**



# A Massive, Growing Market

*The market is huge and actively seeking modern solutions.*

TAM

\$1 Trillion+

*Total value of global payroll processed, representing the scale of the problem.*

SAM

\$71.2 Billion

*Global payroll \*services\* market in 2024, the immediate serviceable market.*

CAGR

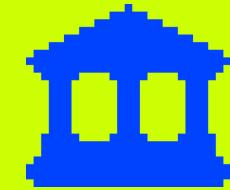
15.7%

*Growth for Employer of Record (EOR) services, the fastest-growing global segment.*



# The Competitive Landscape

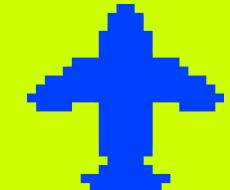
*Our autonomous, on-chain solution is a quantum leap past both.*



## Legacy Giants

e.g., *ADP, Ceridian, Paychex*

- Slow, batch processing (3-5 days)
- High FX and wire fees
- Built on legacy technology
- Not on-chain or autonomous



## Modern Challengers

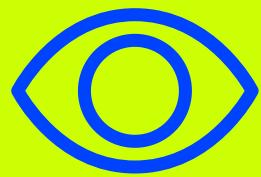
e.g., *Deel, Rippling, Papaya Global*

- Still rely on 3rd-party banking rails
- Not truly instant (1-3 day settlement)
- Fragmented, complex payment layers
- Not autonomous; require human-in-the-loop



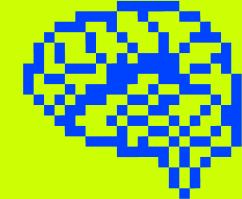
# AI Agents working together

Perceive + Compute + Execute



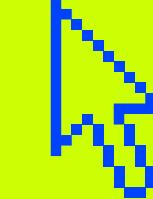
*Perception Agent*

- Reads CSV data



*Cognition Agent*

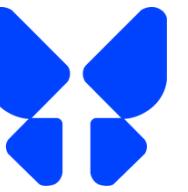
- Calculates taxes



*Action Agent*

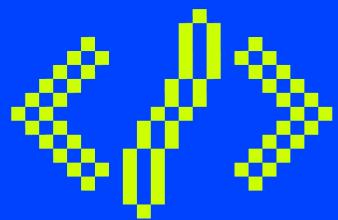
- Sends USDC on Arc

*Complete autonomous orchestration*



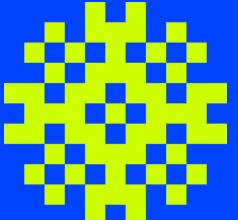
# Full-stack Prototype

*Functional Demo + Live on testnet*



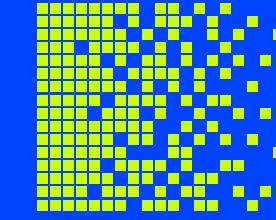
## Frontend

- *Next.js 15*
- *TypeScript*
- *Real-time UI*



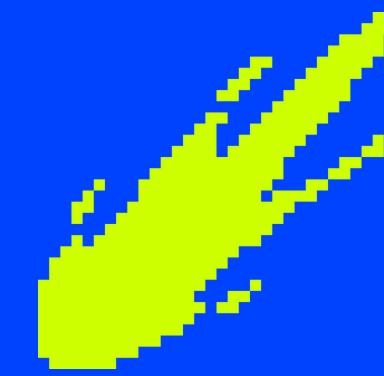
## Backend

- *AI Agents*
- *Python + Flask*
- *Web3.py*



## Blockchain

- *Solidity contracts*
- *Arc Testnet*
- *USDC payments*



# Live prototype walkthrough

1

## *Upload CSV*

- Employee roster
- Multiple countries
- Drag & drop

2

## *AI Processes*

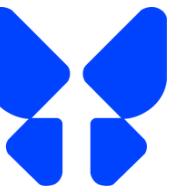
- Validates data
- Calculates taxes
- Real-time status

3

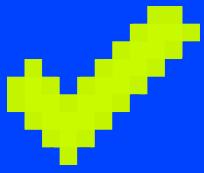
## *Executed*

- Payments sent
- In ~3 seconds
- On Arc blockchain

*Demo: [paystream.hausorlabs.tech](https://paystream.hausorlabs.tech)*

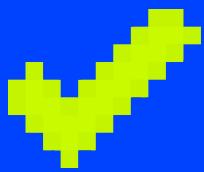


# What we validated



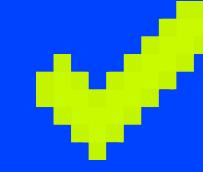
AI can orchestrate

- *AI Agents work together*
- *Autonomous coordination*



Speed is possible

- *3-5 second execution*
- *99% faster than today*

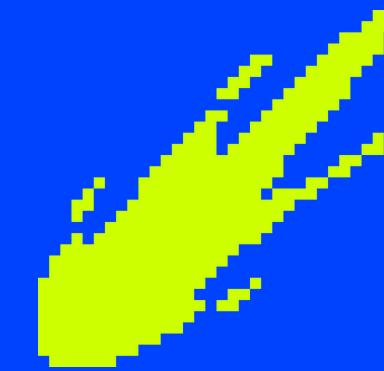


Blockchain works

- *USDC on Arc testnet*
- *Instant settlement*

*The tech is ready.*

# Team, Hausor Labs



Brian Mwai

Physicist, Software Engineer &  
Creative Director

[Checkout @linkedin](#)

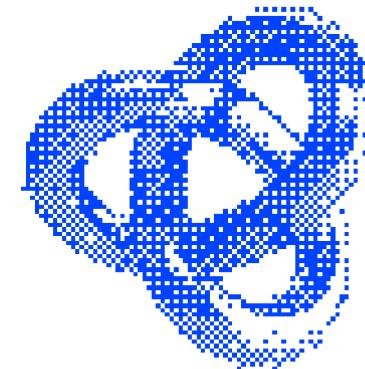


Joy C. Lang'at

Computer Science, Tech Lead,  
AI/ML Engineer

[Checkout @linkedin](#)

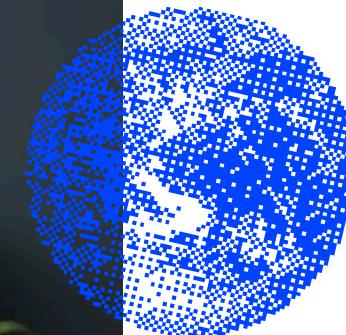
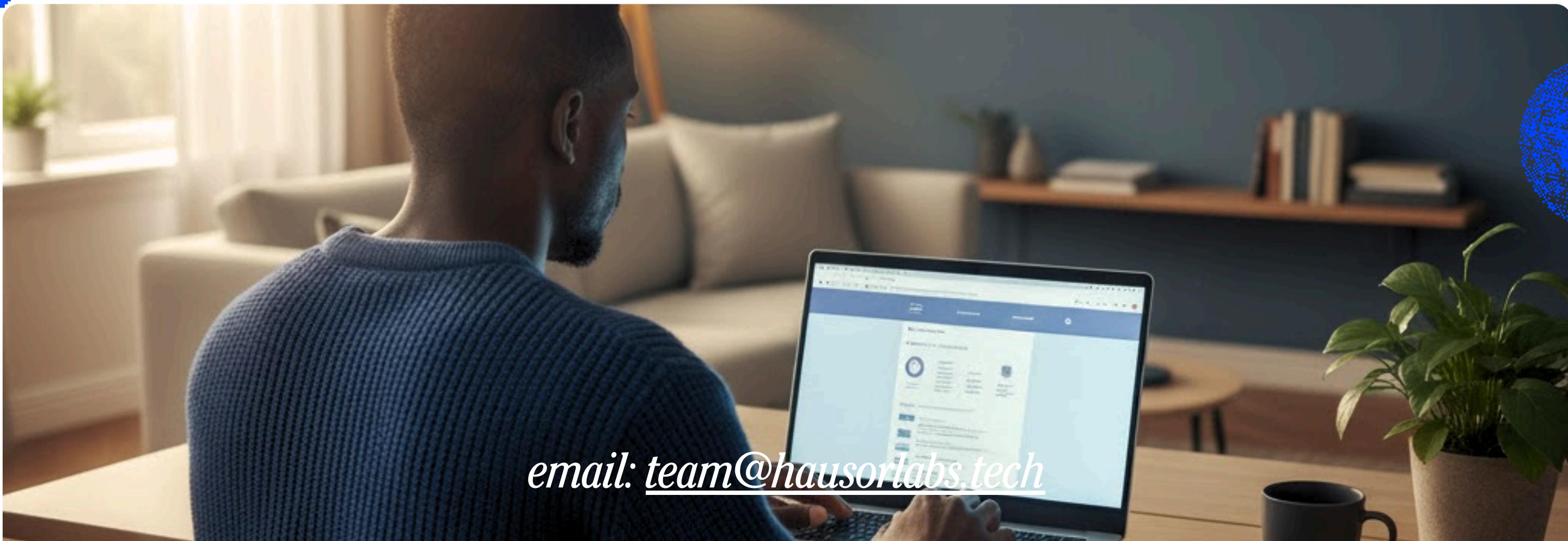
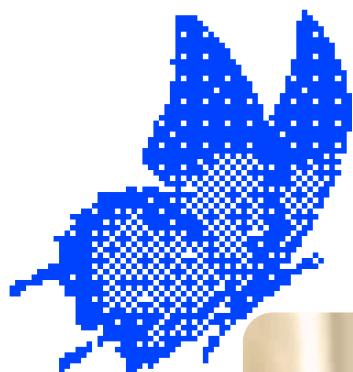
*[Team: hausorlabs.tech](https://team.hausorlabs.tech)*



# What we do next

*Validate, Partner, Scale*

*Try the prototype*



*email: team@hausorlabs.tech*