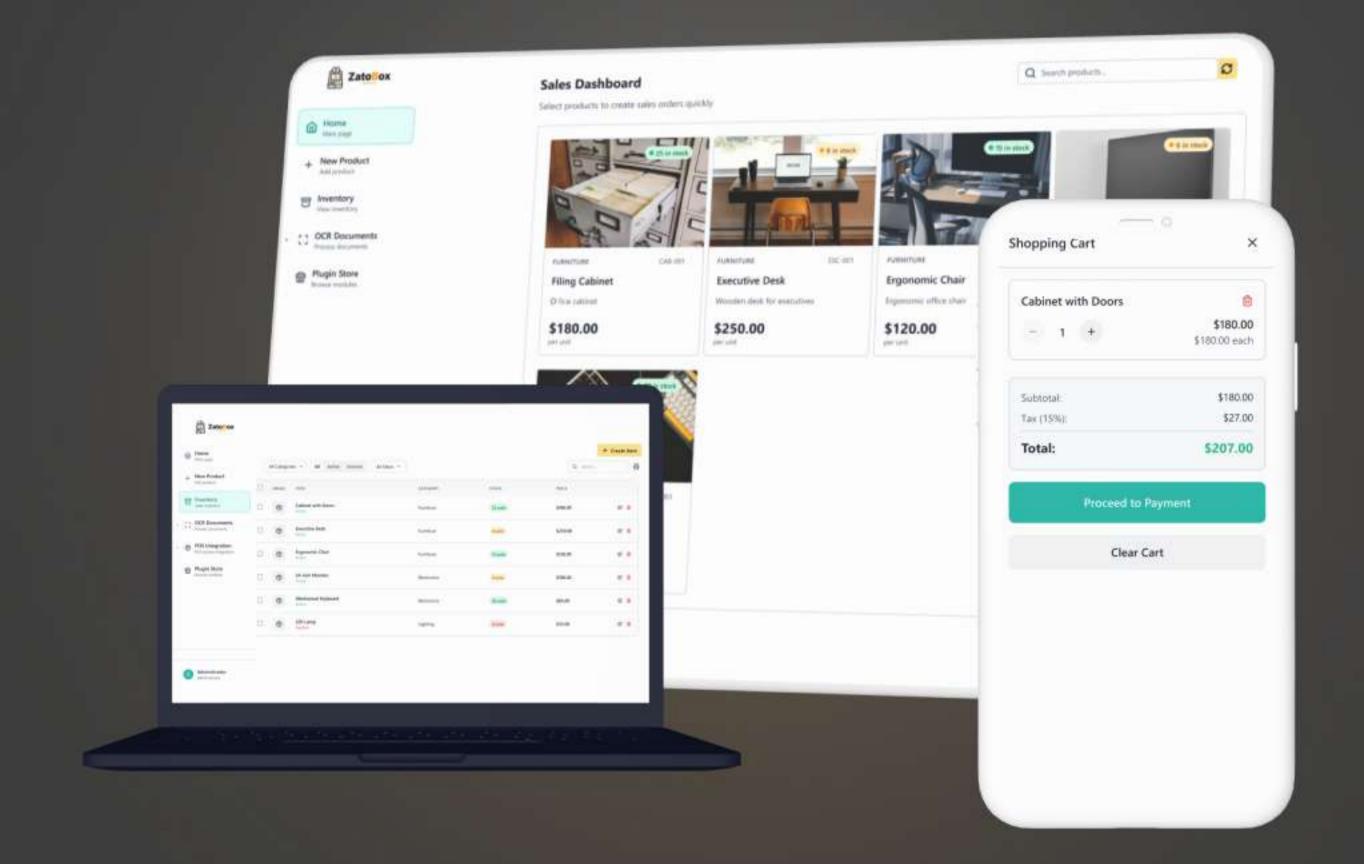**ZatoBox**
Open Source

The Ultimate Toolbox

Smart Modular POS

ICP Hackathon WCHL25 Qualifier

Team

Luis Leon

Linkedin: https://www.linkedin.com/in/ikhunsa/

Blockchain and technology innovation specialist with strong experience in project leadership, business development, and tech consulting. Proven ability to design and implement impactful solutions that drive sustainable development and digital transformation across diverse sectors. Focused on ethical, effective, and future-oriented use of technology.

Role in the project: CEO and Founder

Yesenia Gonzalez Maldonado

Linkedin: https://www.linkedin.com/in/keilaygonzalez/

Full Stack Developer with strong front-end expertise in React, Vite, Next.js, JavaScript, TypeScript, and CSS. Skilled in building scalable, user-focused web applications. Proactive, detail-oriented, and committed to continuous improvement and modern development practices. Ready to deliver impactful, efficient solutions in any team environment.
Main Skills: React, Vite, Next.js, JavaScript, TypeScript, and CSS
Role in the project:

Julius Maghanga

Linkedin: https://www.linkedin.com/in/julyp-julius-ba83la221
Role in the Project: Integrating ICP into the project
Main Skills: Rust smart contracts and Typescript
Software & Blockchain - Fullstack developer engineer with more than 8 years of professional experience, I have worked on multiple projects. I use effective technologies and standards that guarantee a quality product.

Rafaela Aparecida R de Souza

Linkedin:https://www.linkedin.com/in/rafaela-s-526247126

Computer Science graduate with experience in technical support, ERP, and report development. Currently transitioning into Data Engineering, focusing on Python, SQL, PostgreSQL, Linux, and analytical tools. Analytical mindset, fast learner, and strong communication skills.
Main Skills: Python, PostgreSQL and data frameworks
Role in the Project: Back-end

"Imagine that any entrepreneur, without technical knowledge, can open their physical store, launch their online catalog, and start accepting Bitcoin in a matter of minutes. That's what ZatoBox offers."

We aim to be the ultimate toolbox for small, medium, and large businesses. Our mission is to connect three worlds: physical commerce, digital commerce, and the crypto universe. While 33% of SMEs don't have a website and 43% lack an electronic POS system, less than 10% accept cryptocurrencies.

We want to change that.

Problem and Opportunity

Manual inventory management
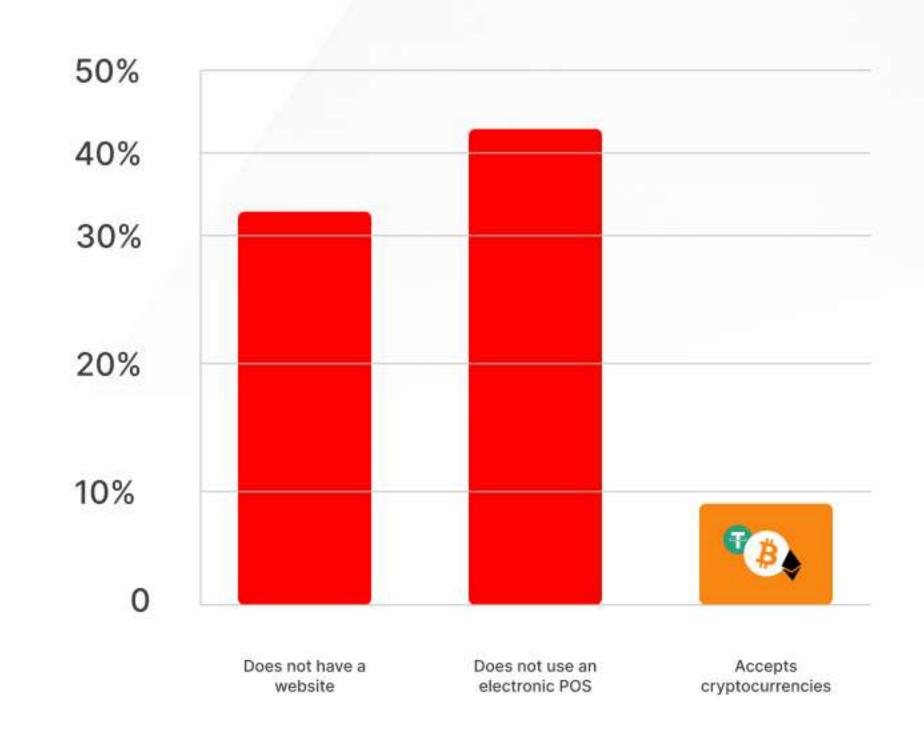
Consumes time and creates errors.

Current tools

Are expensive or not intuitive for small businesses.

Many SMEs lack a website or online presence,

Losing digital sales.

La adopción de pagos cripto y blockchain

Is confusing and costly for small businesses.

DIGITALIZATION GAP

Does not have a website	Does not use an electronic POS	Accepts cryptocurrencies

Our Solution

Physical & Online POS

Control in-store sales and sell digitally with ZatoLink.

Smart Inventory

Integrated OCR and AI to predict and manage your stock.

ICP Identity

Registration/login and wallets via Internet Computer Protocol.

Modular Platform

Activate modules (appointments, catalogs, downloads) as needed.

Decentralized Funding (Launchpad)

SOON

Businesses can issue tokens or NFTs to raise funds directly from their community or clients, without banks or traditional investors.

Marketplace for Modules and Shares

SOON

A space where third parties can create, sell, and buy modules (e.g., special integrations, analytics, advanced booking) and where investors can purchase tokenized business shares.

Internal Trading and Rewards

SOON

Token and reward exchange to build customer loyalty (tokenized points, cashback in crypto).

Roadmap

1 month | 13

Operational work | 23

Analyze KPIs and user feedback on ZatoLink and the whitelist.

Create ZatoLink (public version of the Sell Dashboard) for online sales. Expand the OCR dataset and stable database migration.

Design a whitelist landing page to attract initial users and leads.

Connect online catalog to inventory and payment flow (read-only).

Start layout of ICP contracts (login, wallet creation)

Set up initial tests of reward tokens on testnet (not yet issued).

Expand OCR dataset and stable database migration.

2 months | 12

Adjust UX/UI and DevOps infrastructure based on metrics.

Develop the first Smart Inventory backend (AI with basic alerts).

Activate functional reward tokens (testnet) for early users.

Continue developing ICP contracts (purchase tracking and token issuance).

Optimize OCR (>90%) and implement history with inventory rollback.

3 months | 14

Implement full reward tokens for clients (testnet or mainnet depending on feasibility).

Issue NFTs as invoices and digital receipts.

Develop a prototype for the internal trading module (tokens).

Expand Smart Inventory with advanced predictions and notifications.

Layout generic modules (agenda, appointments, catalogs) for businesses.

Develop external APIs and a dedicated landing page to offer modules (OCR, Smart Inventory, etc.) as standalone services for external platforms (WordPress, Shopify, etc.).

4 months | 9

Launch a Marketplace for modules and shares (investment tokens).

Allow external developers to create and sell modules.

Complete technical documentation for external developers.

Integrate POS, inventory, OCR, Smart Inventory, and ZatoLink into a single platform.

Prepare and present a final public demo for judges and investors.

Roadmap

Complete

The Market

TAM	70B USD (Global POS market projected by 2029 – FoodDocs).	The global POS market will surpass 70B USD by 2029 (FoodDocs).
SAM	21B USD (30% of TAM: SMEs and businesses open to digital and crypto).	Over 60% of SMEs worldwide are still not digitalized (Small Business Majority, Trade.gov).
SOM	100–150M USD (0.5–1% of SAM ZatoBox aims to capture within 5 years, progressively).	Growing demand for crypto payments and Web3 tools for small businesses.

THE GOAL OF ZatoBox
Open Source

Digitalize **50,000** SMEs In **5** Years

Generating 50–100 USD per client per month (commissions and modules).

Competition and Differentiators

	Crypto POS	Traditional POS	ZatoBox
Accepts crypto	✔	✘	✔
Smart inventory	✔	✔	✔
Modules / extensibility	—	✔	✔
Free plan / low fees	✘	✘	✔
All-in-one (retail + online + crypto)	✘	✔	✔
Open source	✘	✘	✔

BUSINESS MODEL

Freemium

Free basic POS module
to attract users.

Subscriptions
& Modules

Recurring payments for
premium features and
additional modules.

Marketplace

Fee for third-party
module sales and
tokenization.

Transaction
Fee

Minimum transactions
compared to
competitors

Future Vision:
Decentralized Financing

- Allow any business to issue tokens or NFTs backed by their community.

- Integrate DeFi and crypto payments to connect the physical, digital, and financial worlds into a single platform.

- Offer a launchpad where customers can invest directly in local projects.

- Provide automated investment rules and on-chain transparency to reduce fraud risk.

- Democratize access to funding for entrepreneurs without traditional support.

End

Join the Commerce Revolution

ZatoBox transforms the management of your business with open, accessible, and secure technology. With your support, we'll build the leading platform for modular POS and smart inventory in Web3.

luisleon.exe@gmail.com