Subscription payments with wallet abstraction 🚀

😞 The Problem

💰**Subscription payments are not widespread in the crypto space**.

The current crypto user experience is not compatible with traditional subscription payment processing.

😅The solution

💸 Simplify spending with account abstractions

💼 Recurring payments directly from externally owned wallets or smart contracts

🏂 Intent centric architecture.

🐀 One click payment approvals on a secure checkout page.

🙌A simple Public API to access this service and integrate it into Web2 applications.

👨‍💻 How to get it done?

⌨️ A direct debit implementation with smart contracts

🔑 ZKP based off-chain payment intents to approve payments.

🔐 Secret splitting with layered encryption.

⛽ A relayer to provide gas abstraction for intent solving

💾 And finally a web2 service to glue it all together

✌️ Market Size

📃 We live in the age of subscriptions payments.

💹 The market is expected to grow to **1500 billion U.S. dollars by 2025**.

👽 The crypto market is not included in this data!

🤔 We expect a crypto market turnaround by 2025, but can't make any predictions.

Data provided by statista.com

📊Business Model

🌍 Wallet Abstraction and Relayer as a Service (SaaS).

💶 **Transaction fees** are built into the smart contract.

🚢 A **Relaying fee is** charged by the relayer.

🆓 Creating accounts and making payments is free forever.

🛢️ Gas fees are paid by the merchant. **Pay as you go.**

💁 A **Pro tier** for hands on support and integration help.

🏛️ **Enterprise tier** for dedicated hosting and custom features.

🛣️2023 Roadmap

1. 🛠️Development Started in 2023 Q3.

👷 Smart Contracts and ZKP developed

🚗 Front End with relayer and server

🔧 Deployed on BTT testnet

2. 🚧 Early Access by 2023 Q4.

👷‍♀️ Rest API and Documentation released

🕯️ ZKP Cryptography ceremony finalized

🛸 BTT Mainnet deployments

🖼️ Landing page

🏜️2024 Roadmap

📌Integrations with popular services like Zapier & Wordpress.

🐻Product Hunt Launch.

🎮Offering free gas for the first SaaS projects that add our

payment method.

🙆More abstractions, more features.

📚Tech Stack

🐓 Circom & Solidity with hardhat and snarkjs 🔷 ⛑️

🏆 Server is built using : Deno Fresh 🍋 TS tailwindcss 〰️

🐐 Relayer is built using Deno and ethers.js 🐜

🐷 Postgresql database provided by Supabase ⚡

🚡 BTT Mainnet ◉

🏠 The Relayer is hosted on-premise ON-PREMISE

🔗 Links

📌 Links will be available after September 28, 2023!

🌐 Web application: https://debitllama.com

📒 Docs: https://debitllama.gitbook.io/debitllama/

👩‍💼 Previous work: https://zkptech.solutions

🗿 Trusted setup ceremony hosted on
   https://snarkyceremonies.com

🤝 Thank you!

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🤖 Dall-e for providing me with pictures!

🕶️And you for reading this deck!