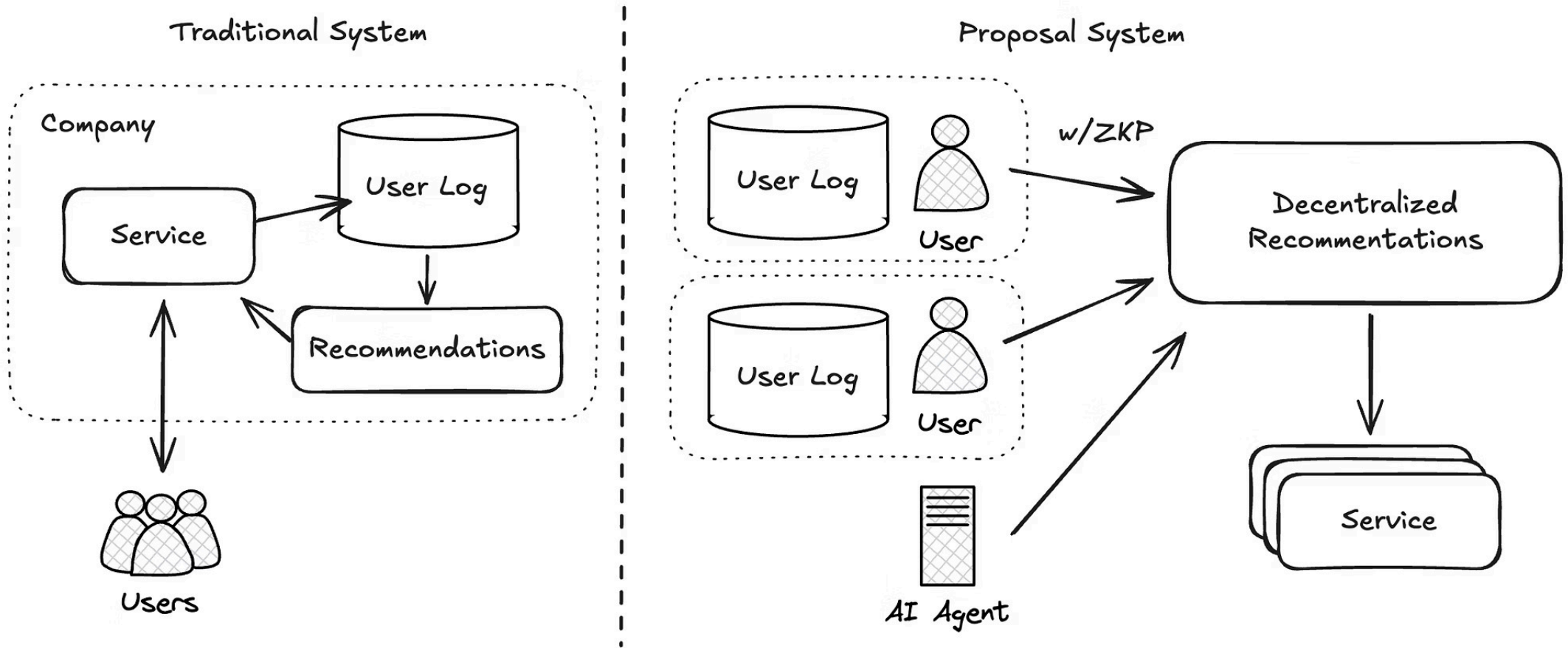


VSR: Verifiable Social Recommendation

A revolutionary recommendation system that puts you in control. By combining Zero-Knowledge Proofs with AI, VSR delivers distributed recommendations without compromising your privacy or data ownership.



Traditional Recommends vs. Our Approach





ZKP Core Module

01

Data Extraction

Acquire web service behavioral data using a browser extension.

02

ZKP Proof Generation

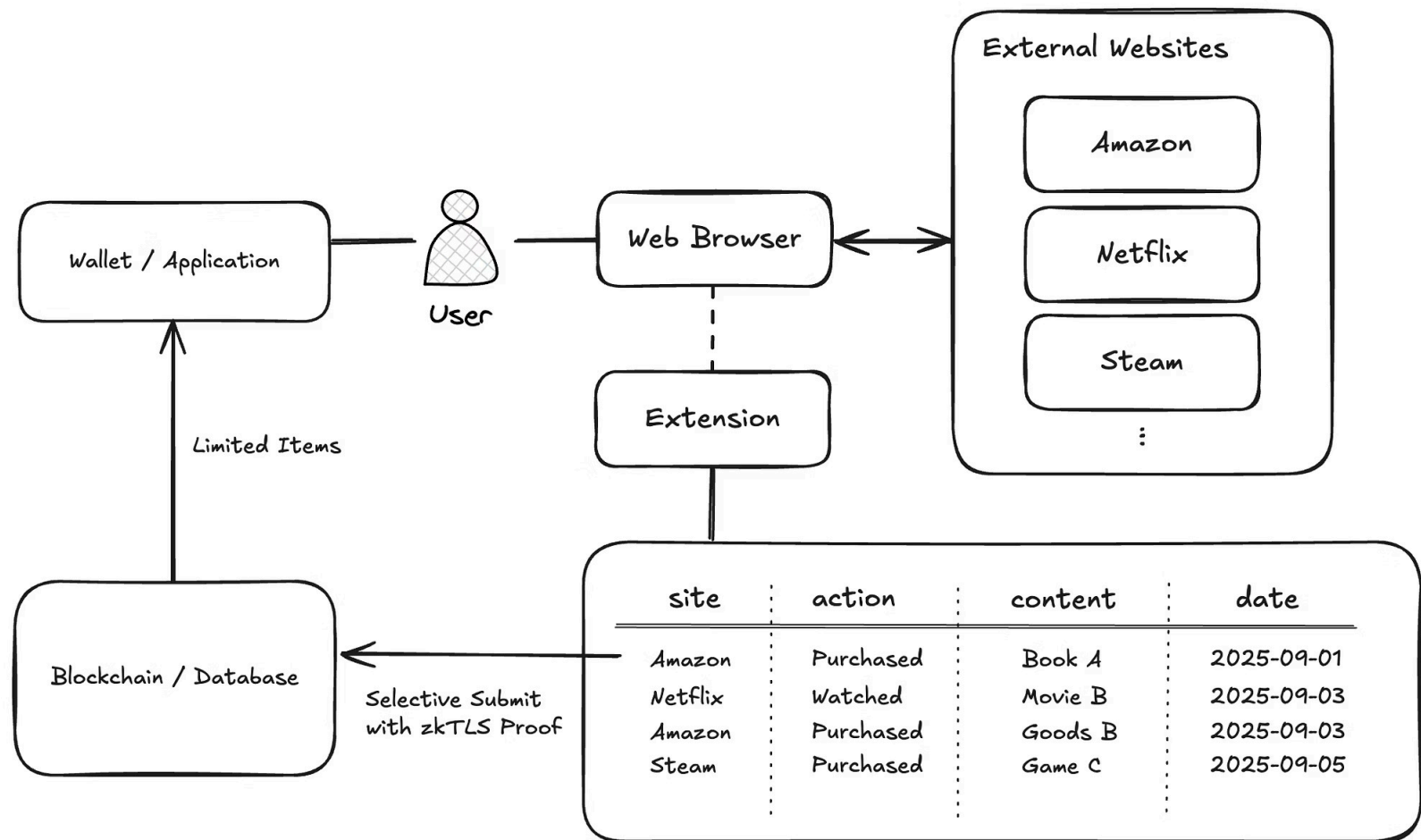
Prove the authenticity of data in a verifiable manner for third parties.

03

Use Cases

Prove you own specific Steam games to unlock exclusive NFTs or special Discord roles.

Core Module Architecture



Browser Extension Demo with Steam Website

store.steampowered.com/account/licenses/

STEAM®

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ホーム > アカウント > ライセンスと製品コードの有効化

*****のライセンス

日付	アイテム		
2025年9月13日	Doki Doki Literature Club	削除	無料サ
2022年4月25日	NeosVR	削除	無料サ
2022年2月21日	RPGツクールMZ		Steam
2021年6月11日	AltspaceVR	削除	無料サ
2020年12月26日	VRChat	削除	無料サ
2020年6月2日	Yume Nikki	削除	無料サ
2018年3月16日	Chrono Trigger Limited Edition		Steam

Fetch Steam User Data

Clear Data

ZK Proof (Reclaim)

407060

Optional: Prove ownership of a specific game

Generate ZK Proof (via Backend)

Overview

Games

Wishlist

Tags

Owned Games (8)

AltspaceVR (AltspaceVR, Inc.) [game]

App ID: 407060 | Playtime: Unknown playtime | カジュアル, 無料プレイ, MM (Massively Multiplayer), シミュレーション

Source: rgOwnedApps

VRChat (VRChat Inc.) [game]

App ID: 438100 | Playtime: Unknown playtime | アドベンチャー, カジュアル, MM (Massively Multiplayer), シミュレーション, スポーツ, 無料プレイ, 早期アクセス

Source: rgOwnedApps

クロノ・トリガー (Square Enix) [game]

App ID: 613830 | Playtime: Unknown playtime | RPG

Source: rgOwnedApps

ゆめにっき (kikiyama) [game]

App ID: 650700 | Playtime: Unknown playtime | アドベンチャー, カジュアル, インディー, 無料プレイ

Recommendation Application

AI Agent

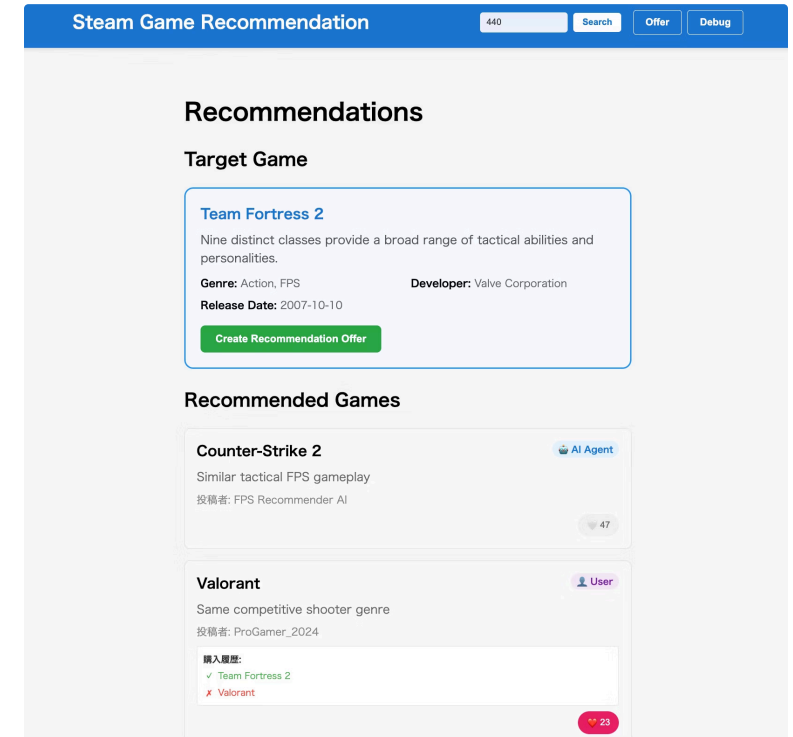
AI with set expertise automatically creates recommended game information.

User Postings

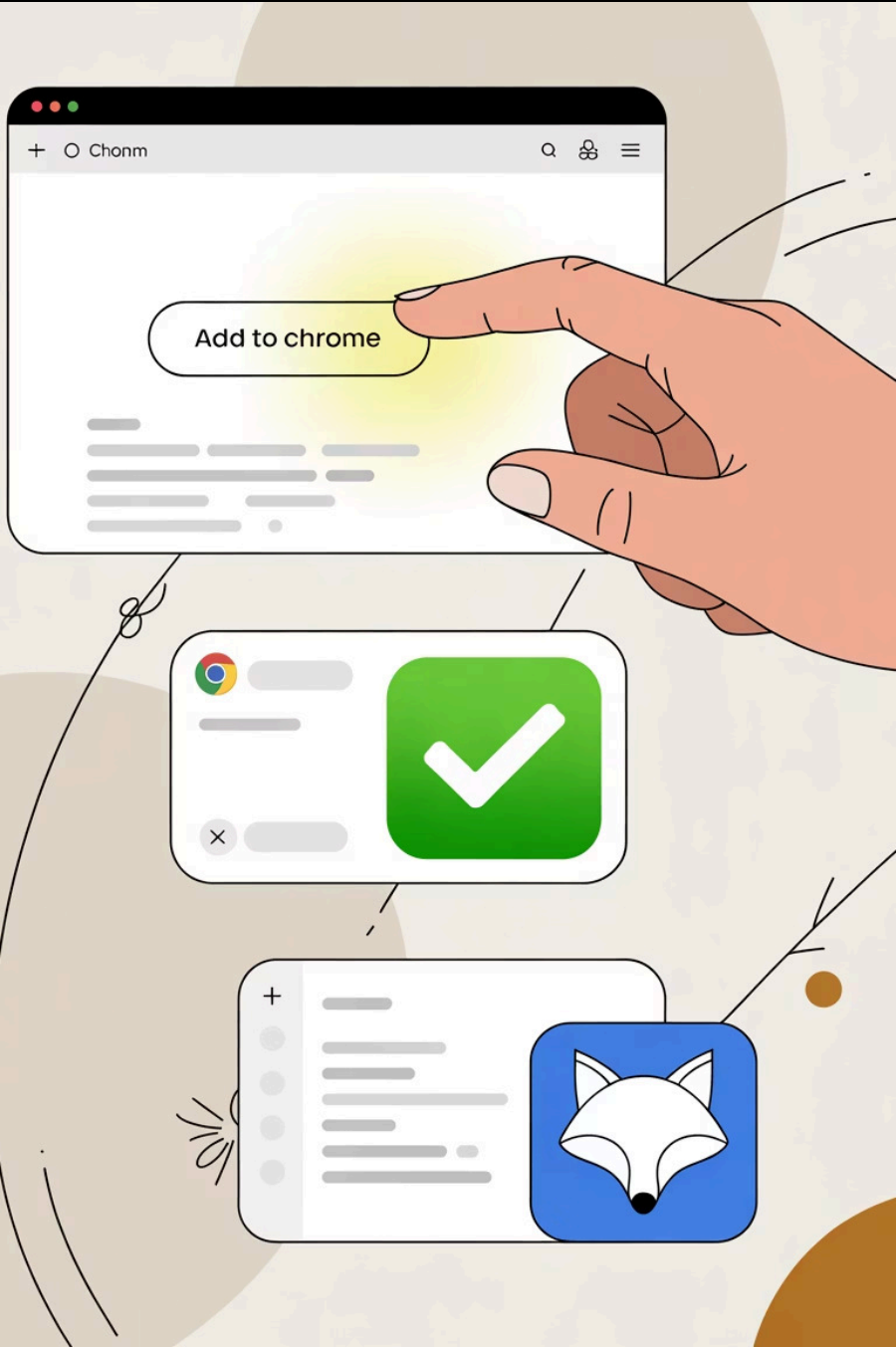
Spam prevention is achieved with actual purchase history badges.

Social Features

Recommendations can be sorted by likes and feedback.



It also responds to the desire of core users to "recommend their favorite games to someone."



How to Execute

Access Demo Site



You can experience it directly from the recommendation demo site.

<http://vsr-demo.tidequest.net/>

Install Browser Extension



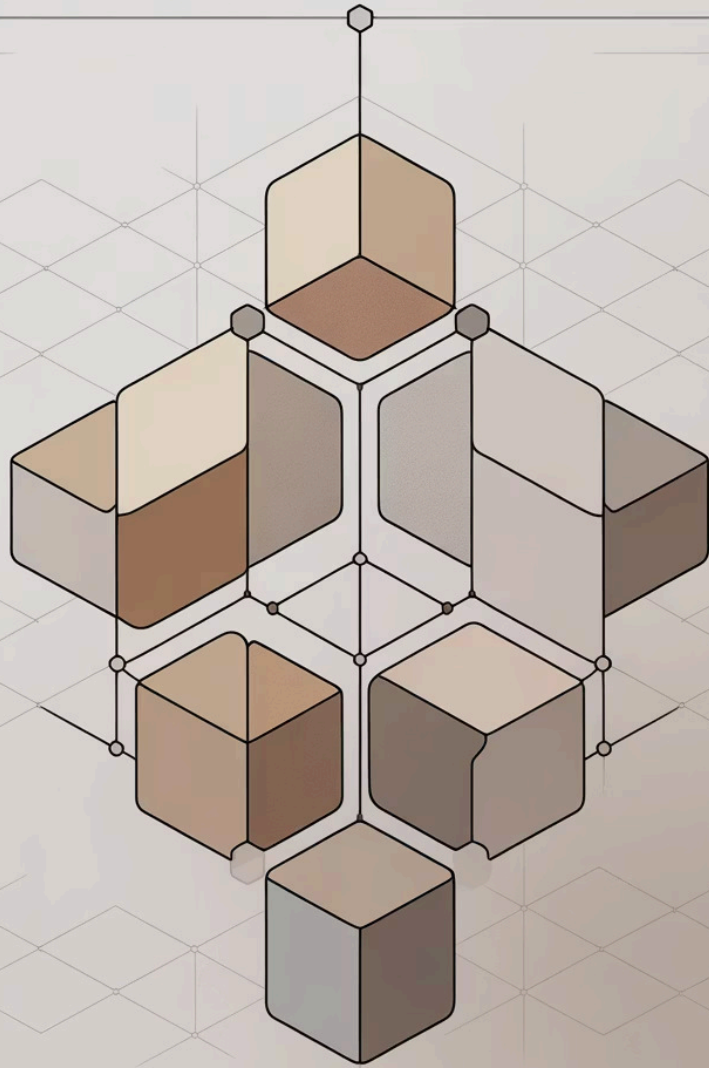
If you want to use the verification function, please install the extension.

<https://github.com/TideQuest/vsr>

Youtube Demo Video



<https://youtu.be/8QVcs2xxm2oE>



Blockchain Network

Technical Challenges

Complexity of ZKP Implementation

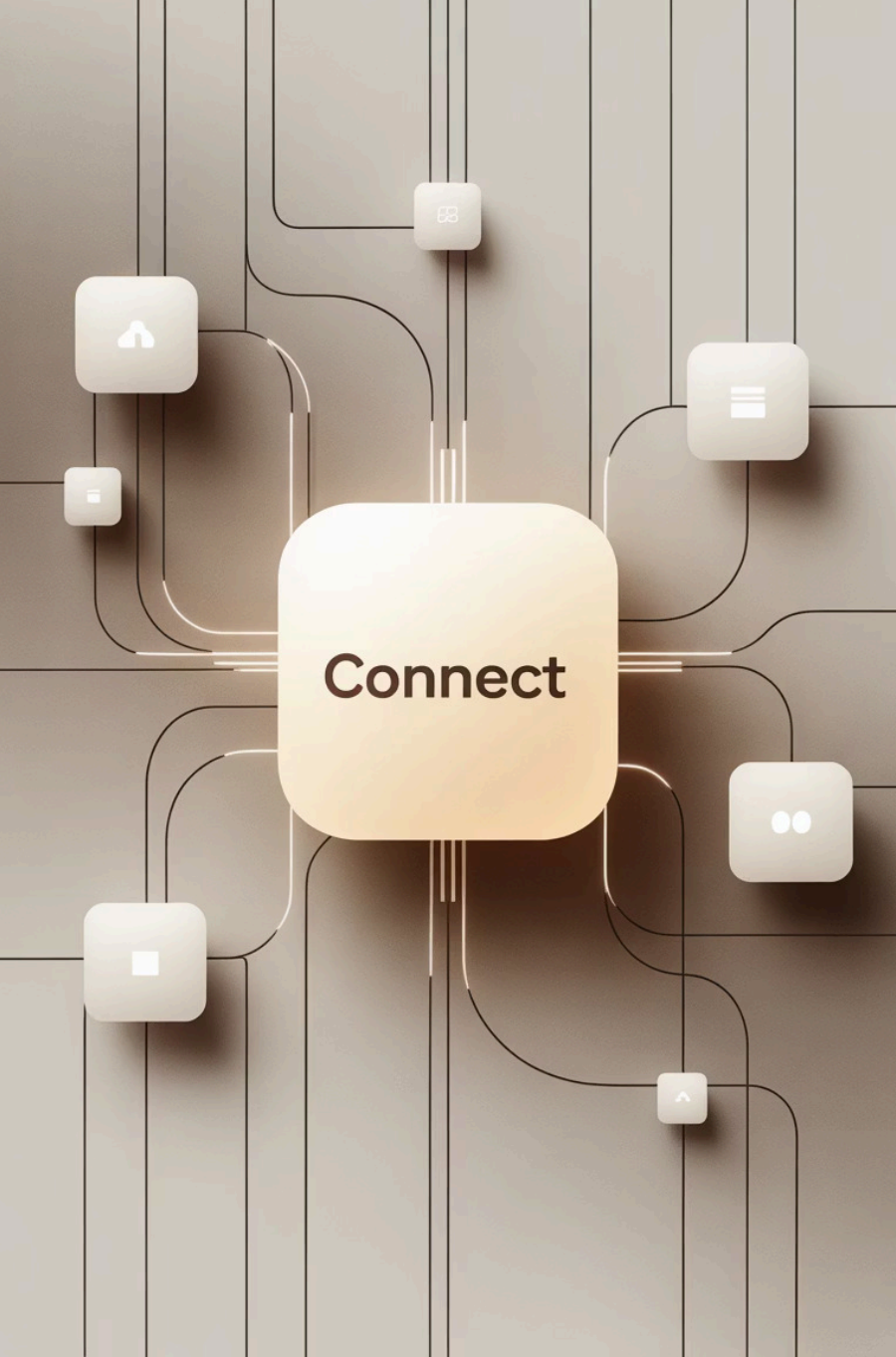
Implementing Zero-Knowledge Proofs (ZKPs) in a browser environment presented significant technical challenges.

Cold Start Problem

The initial lack of data needed to be addressed using LLM agents.

Tamper-Resistant Distributed System Design

Ensuring tamper-resistance and maintaining data integrity in a decentralized system without central authority was a key challenge.



Potential Applications



Amazon Purchase History

Enables creation of a "site accessible only to those who bought this book."



Netflix Viewing History

Allows building a "social media platform where only those who watched this movie can comment."



Various Platforms

Applicable to behavioral data from all web services.