

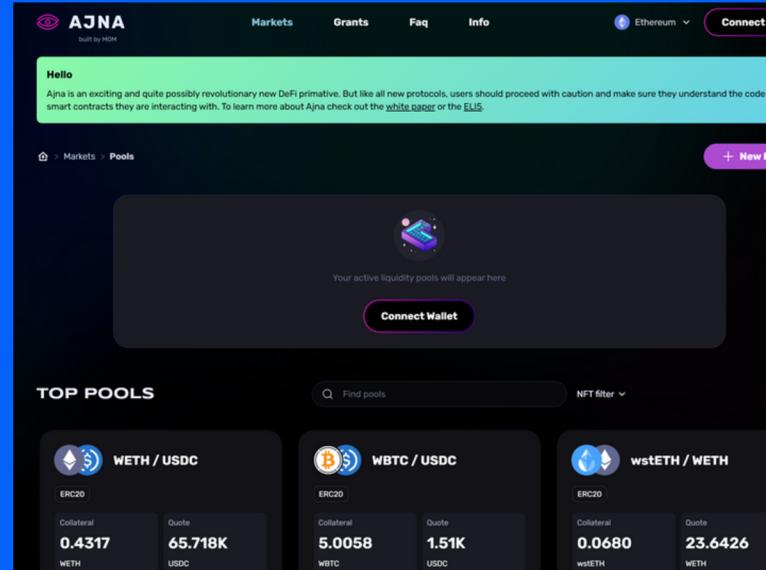
# Frontend Meets Blockchain: Building the Ajna Protocol dApp

K&C turned a complex, immutable smart contract into a secure, user-friendly Web3 lending platform—without sacrificing decentralization.



## About Ajna

Ajna Labs is a pioneering player in the DeFi space, developing the Ajna Protocol—an immutable, oracle-less, and permissionless lending protocol built on Ethereum. Its mission is to remove third-party risks and ensure censorship resistance, which is increasingly important in today's uncertain regulatory landscape. Ajna is open-source and community-driven, setting a high bar for security, decentralization, and user control.



Decentralized Finance (DeFi)



> 8 employees



United States



4 Team member



React, Apollo, ethers.js, web3 & more

## Challenge

- Develop a **complex frontend** for a Web3 lending/borrowing dApp
- Ensure seamless integration with a unique smart contract protocol—immutable and oracle-free
- Build a user interface that balances **technical complexity with accessibility**
- Uphold **high standards of security**, given the protocol's permissionless and open nature
- Handle potential redeployments without downtime or user disruption

## Solution

- Developed a **responsive React frontend** with real-time updates
- Integrated Ethereum smart contracts via Ethers.js and Web3-onboard
- Built advanced transaction, wallet, and state management
- Leveraged react-query, Apollo, and react-hook-form for dynamic UX
- Performed thorough unit, integration, and E2E testing
- Ensured strong security and device-responsive design**
- Delivered full documentation and onboarding support

## Success Story

K&C assembled a high-performance Web3 development team to implement Ajna's smart contract frontend from scratch. By combining deep blockchain knowledge with modern UI/UX and security practices, K&C delivered a fully integrated, user-friendly dApp that meets the highest standards of decentralization and transparency.

Despite the challenges of immutability and protocol redeployment, K&C's structured approach enabled a seamless launch—on time, on budget, and with full stakeholder satisfaction. Ajna Labs now continues to build on a stable, scalable foundation for its open-source DeFi ecosystem.

## Why K&C?



**Elite Web3 Talent at Scale:** Ajna gained instant access to top-tier Web3 developers, recruited globally and onboarded in weeks—not months—with no compromise on skill or cost-efficiency.



**Deep Blockchain Expertise:** K&C's team had the specialized knowledge required to understand and translate Ajna's protocol logic into a seamless user experience across an immutable smart contract layer.



**Flexibility & Reliability:** The ability to scale the team according to project phases—without impacting morale—ensured the protocol launch stayed on budget and on schedule.

## About Krusche & Company

With over 25 years of experience, Krusche & Company (K&C) is a leading IT outsourcing provider, specializing in web and cloud technologies. Our team of 150+ IT experts operates from six offices worldwide, delivering top-notch services in UX/UI design, software development, cloud development, DevOps, quality assurance, agile project management, and cybersecurity.



[contact@kruschecompany.com](mailto:contact@kruschecompany.com)



[www.kruschecompany.com](http://www.kruschecompany.com)