

Devonchain Team

Contact details

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Summary

This blog marks our contribution to Aztec's call for developers and innovators. At Devonchain, we are committed to building a new Crypto Wallet while contributing to the growth of the Web3 ecosystem. We recognize that wallets are crucial to blockchain, but without a thriving ecosystem, they hold limited value. Our vision is to create a wallet that empowers users with privacy and control while supporting the broader blockchain landscape. This project is just the beginning, and we are excited to build a more private, user-driven crypto world in line with Aztec's values.

Estimations

Start date: October 7st 2024

Testnet ready: December 20th

End date: January 31 2025

Team

Frontend Engineer:

Skilled in building intuitive and user-friendly interfaces using modern web technologies. This role focuses on creating a seamless user experience by designing and developing the frontend of the web wallet using React.

Backend Engineer:

Responsible for designing and developing robust APIs and SDKs that power the wallet's functionality. This role includes integrating the wallet with external services like blockchain explorers and other third-party solutions. The backend engineer ensures efficient data handling, security, and scalability to support a reliable user experience.

Blockchain Engineer:

Specialized in blockchain technology, with deep knowledge of smart contract development and interaction, especially within Ethereum's Virtual Machine (EVM). This role involves working with zero-knowledge (ZK) cryptography and domain-specific languages (DSLs) to build secure, privacy-focused blockchain solutions that interact seamlessly with the wallet.

Wallet structure and features

- Features
- Wallet
- Transaction simulation before execution
- Handle public and private transactions
- Send, receive, buy and shield tokens
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- Account
- Manage multiple accounts
- Noir-based Smart Contract accounts
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- Transaction History
- View detailed information on pending and completed transactions
- Integration with block explorer for transaction insights
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- Discovery
- Explore and interact with Aztec dApps, with educational resources on usage.
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](<https://europe1.discourse-cdn.com/flex013/uploads/aztec/original/2X/a/a187e696eb3cd72dc0af718dc48b01a093fd99ac.png>)

Grant milestones and roadmap

Milestone 1: MVP - 4 weeks

- Intuitive UI/UX for wallet interaction

- Support for public and private transactions (simulate, send, receive, shield)
- Transaction history management
- Discovery section for dApp exploration

Milestone 2: Integrations - 4 weeks

- Account and asset management
- SDK for dApp integration, WalletConnect support
- Demo dApp
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- Block Explorer integration

Milestone 3: Testnet ready - 3 weeks

- Functional and end-to-end (E2E) testing for dApp integrations
- Comprehensive documentation

Milestone 4 - Further improvements: 4 weeks

- Improved UX (EIP-712 for AuthWit)
- Smart Contract Account and recovery features

Pre-mainnet

- Smart contract audit, price indexing, and on-ramp integration.
- Integration with Aztec Bridge.
- Multi-token gas payment with Paymaster.

Post-mainnet

- Multi-sig accounts, token swap aggregator, debit card support.
- Support for ecosystem projects.

Grant amount

Total Grant: \$47,000

Design: \$2,000

Maintenance: \$8,000

Milestones

Team

Resources

M1

Frontend Engineer

Blockchain Engineer

\$8,000

M2

Frontend Engineer

Backend Engineer

Blockchain Engineer

\$12,000

M3

Frontend Engineer

Backend Engineer

Blockchain Engineer

\$9,000

M4

Frontend Engineer

Blockchain Engineer

\$8,000

Total

\$37,000