



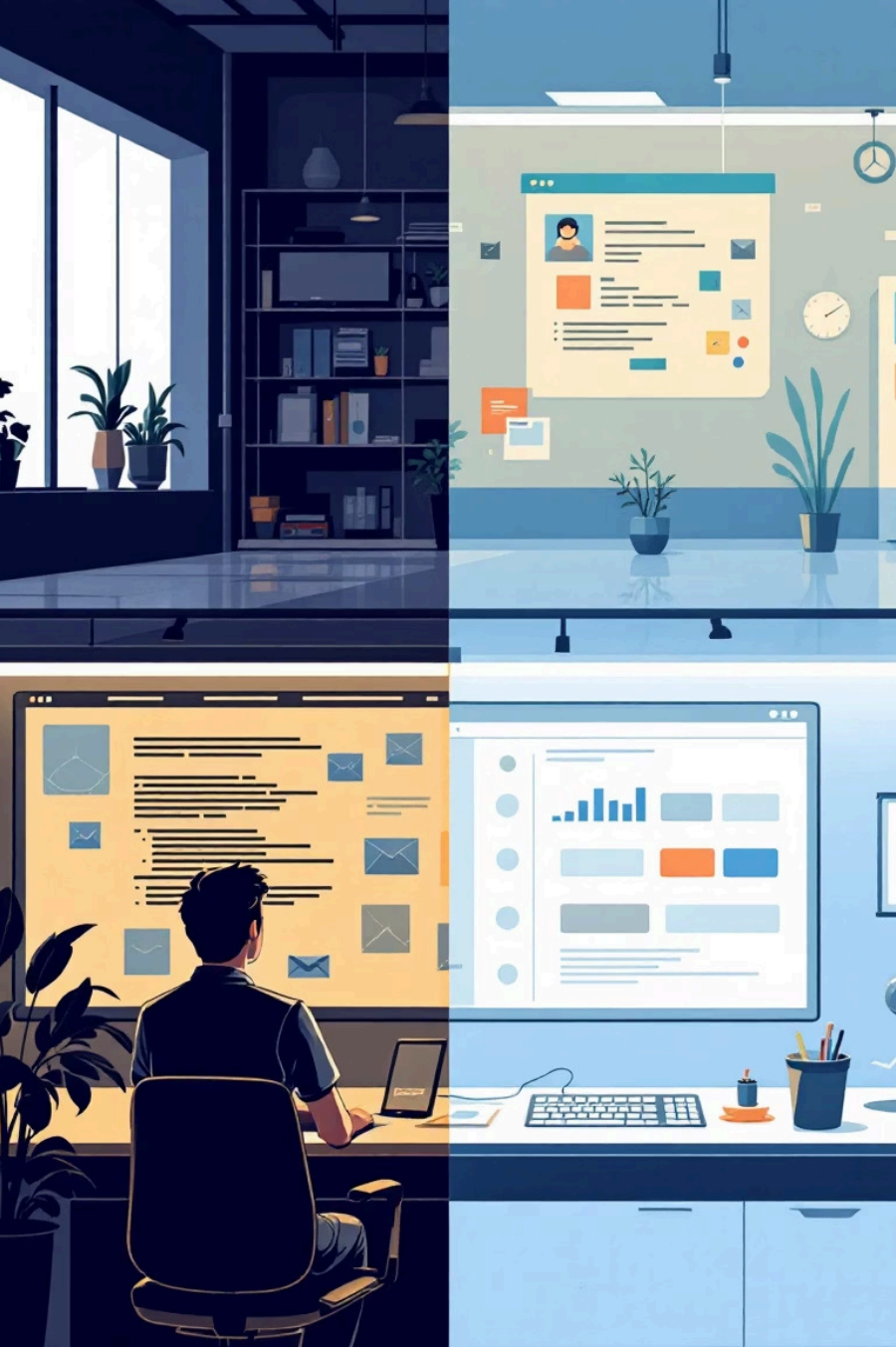
# Conflux Box

## Modern Frontend for Conflux Blockchain Development

Code Without Borders - SummerHackfest 2025

Solo Developer Project

[github.com/cfxdevkit/conflux-box](https://github.com/cfxdevkit/conflux-box)



# The Problem & Solution

## Conflux development lacked modern tools

- **Complex CLI workflows**  
hindered developer adoption
- **No unified interface** for Core Space and eSpace networks
- **Preview DevKit packages**  
needed a reference implementation

## Conflux Box: Beautiful, Modern Development Interface

- 🎨 **Modern UI** with Mantine components
- ⚡ **Zero-configuration** development
- 🔄 **Dual-network** Core + eSpace support
- 📦 **Preview DevKit** integration

# Key Features & Architecture



## Modern UI

Mantine component library with professional design system and responsive layouts



## Real-time Monitoring

Live blockchain status and network information with WebSocket updates



## Account Management

Create and manage development accounts with one-click setup



## Smart Contracts

Deploy and interact with contracts through intuitive UI forms



## Dynamic Networks

Switch between Core and eSpace seamlessly with auto-detection

**Technical Stack:** React 18 + TypeScript + Mantine UI • @conflux-devkit/backend + node • Vitest testing (14/14 passing) • GitHub Codespaces ready



# Conflux Integration Deep Dive

1

## Core Space Support

CFX native transactions with dynamic chain IDs (1029 mainnet / 1 testnet)

2

## eSpace Integration

EVM-compatible contracts with full compatibility (1030 mainnet / 71 testnet)

3

## Real-time Updates

WebSocket connections provide live blockchain data and transaction monitoring

```
// Dynamic network handling
const chainIds = getChainIds(selectedNetwork);
// Core: 1029 (mainnet) | 1 (testnet)
// eSpace: 1030 (mainnet) | 71 (testnet)
```

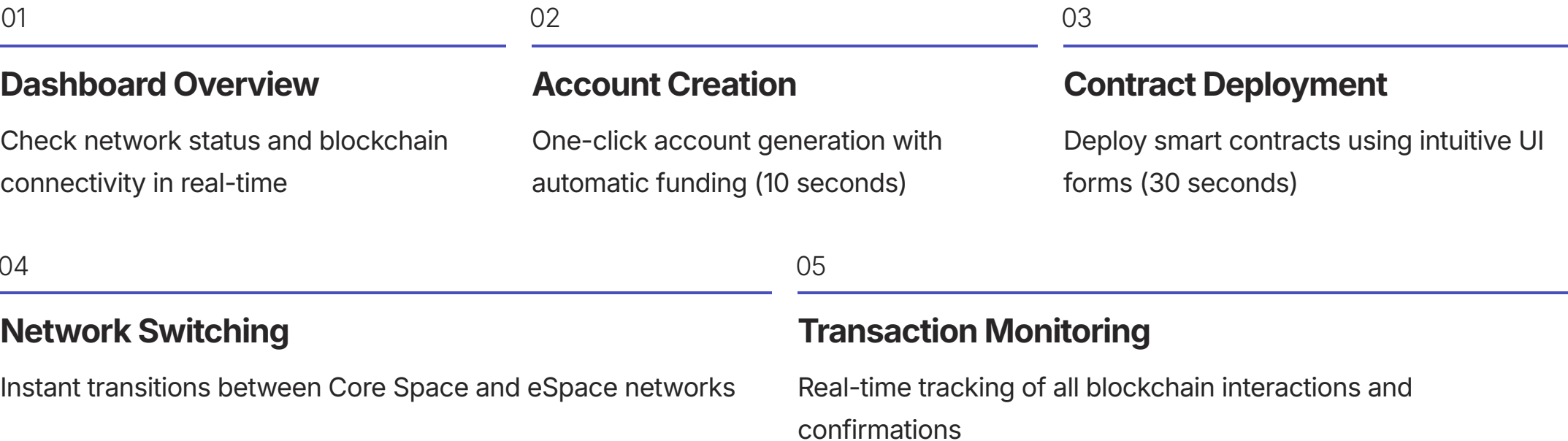
Complete DevKit API Coverage

WebSocket Live Updates

Dual-Chain UX

# User Journey & Technical Achievements

## From Zero to Deployed Contract in 3 Minutes



100%

### TypeScript Implementation

Full type safety and modern development practices

14/14

### Tests Passing

Comprehensive test coverage with Vitest framework

2.5K

### Lines of Code

Quality implementation with clean architecture



# Innovation & Impact

## Innovation Areas



### Developer Experience Revolution

Web UI completely replaces complex CLI workflows, making blockchain development accessible



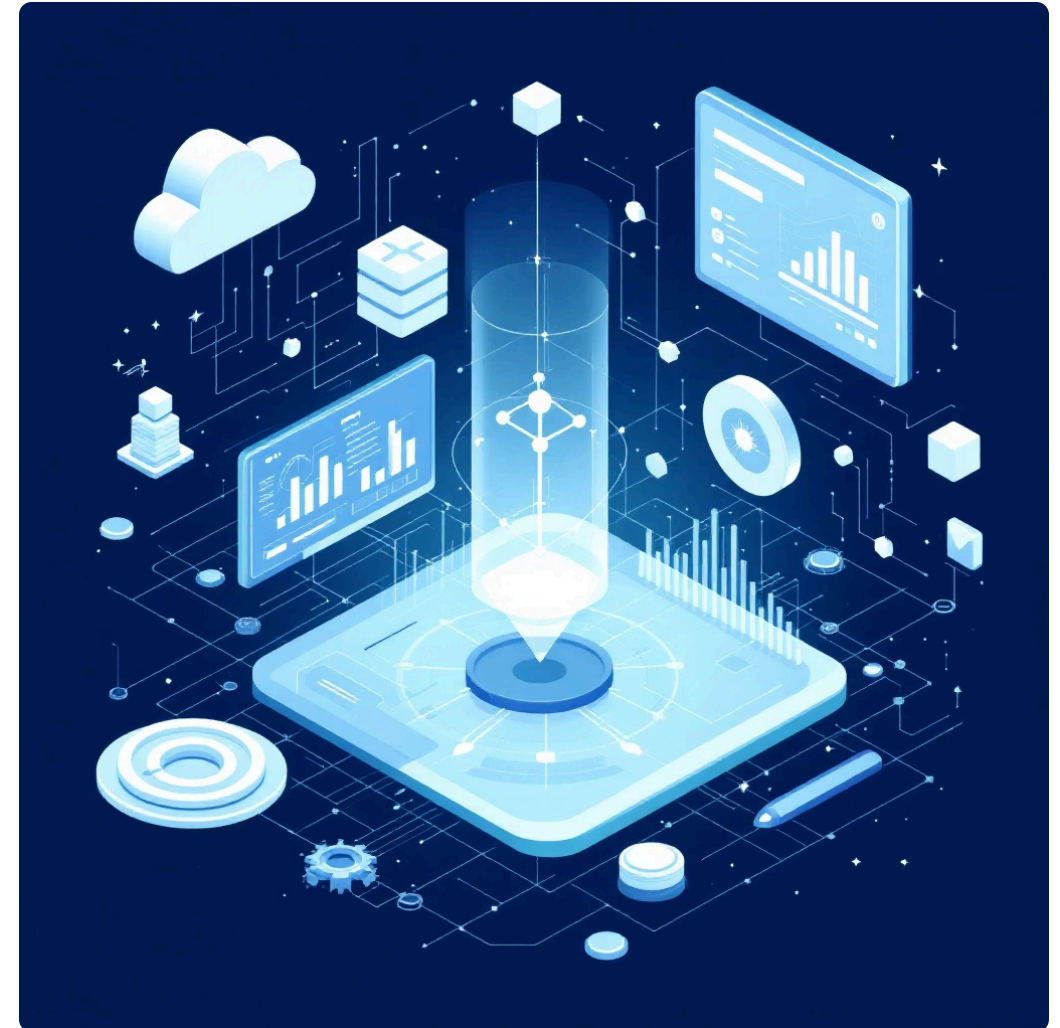
### Preview Integration Pioneer

First comprehensive DevKit reference implementation showcasing best practices



### Unified Dual-Chain Interface

Seamless Core Space and eSpace integration in a single, cohesive platform



## Developer Onboarding

Reduced setup time from hours to minutes, dramatically lowering the barrier to entry for new Conflux developers



## Best Practices

Demonstrates modern React + Conflux integration patterns for the entire community to follow



## Ecosystem Growth

Open source foundation enables rapid community contributions and collaborative development

# Live Demo Environment

## GitHub Codespaces Integration

### ✓ Pre-configured Environment

All dependencies and tools ready to go with zero manual setup required

### ✓ One-click Startup

Launch directly via GitHub Codespaces for immediate testing and evaluation

### ✓ Manual Service Control

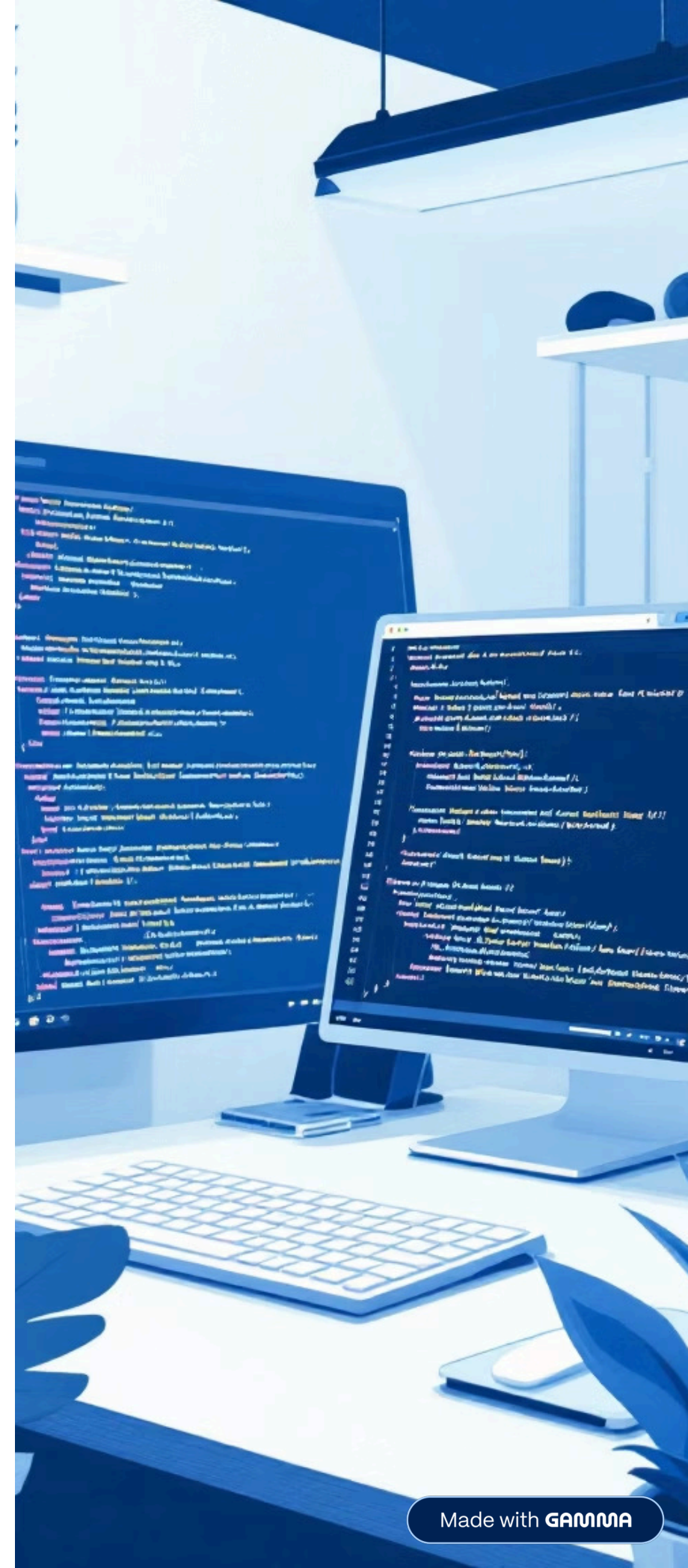
Simple commands: `pnpm backend:start` + `pnpm dev`

### ✓ Live Demo Ready

Perfect for judges, community members, and potential contributors to explore

## What You Can Try Right Now

- Create development accounts instantly with automatic funding
- Deploy and interact with smart contracts through the UI
- Switch between Core and eSpace networks seamlessly
- Monitor real-time blockchain data and transaction status
- Experience the future of modern Conflux development







# Future Roadmap & Team

1

**Q1-Q2 2026**

Enhanced contract templates and multi-language support for global developers

2

**Q3-Q4 2026**

Advanced debugging tools and community plugin system for extensibility

3

**Ongoing**

Mobile-responsive design and comprehensive performance monitoring

## Solo Developer Achievement

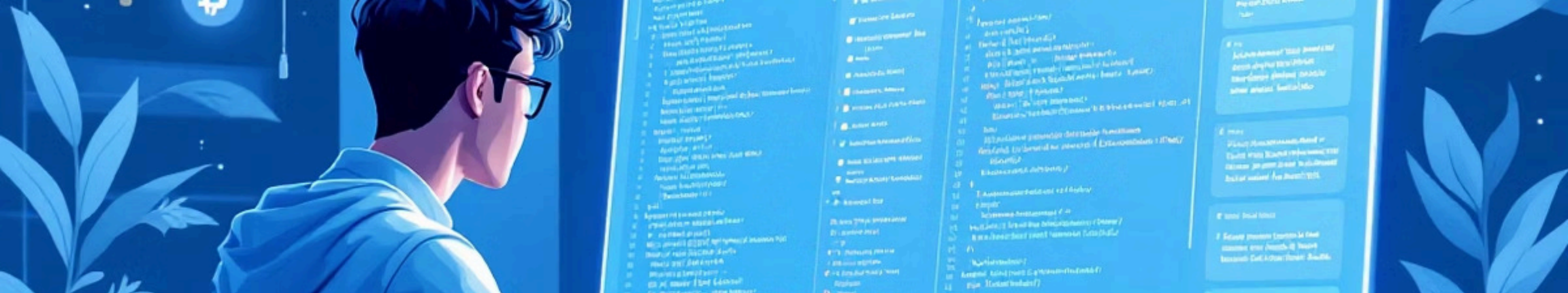
- **Full-stack development:** UI/UX design and React implementation
- **DevKit integration:** Complete API coverage and testing
- **Documentation:** Comprehensive guides and examples
- **Timeline:** 4-week intensive hackathon development

## Special Recognition

**Conflux Foundation • Mantine UI team • Open source community • SummerHackfest organizers**

Thank you for making this innovation possible through your continued support and excellent developer tools.





# Call to Action

## Try Conflux Box Today!





### GitHub Codespaces

One-click demo environment ready for immediate testing and exploration

### Explore Code

Visit [github.com/cfxdevkit/conflux-box](https://github.com/cfxdevkit/conflux-box) for complete source code access





### Join Development

Follow CONTRIBUTING.md guidelines to help improve the platform

### Connect

Join Discord and Telegram channels for community discussion

- 01

### Open GitHub Codespaces

Start testing immediately with pre-configured environment
- 02

### Review Documentation

Explore comprehensive architecture guides and implementation details
- 03

### Contribute Features

Submit pull requests or report issues to help improve DevKit packages
- 04

### Share Feedback

Your input drives the future development of Conflux developer tools

Making Conflux development modern, accessible, and beautiful for developers worldwide

# Thank You!

## Questions & Discussion

### Repository

[github.com/cfxdevkit/conflux-box](https://github.com/cfxdevkit/conflux-box)

### Live Demo

GitHub Codespaces ready for testing

### Contact

Available in repository documentation

### Community

Discord & Telegram channels open

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## Conflux Box - Modern Frontend for Blockchain Development

Built with ❤️ for the Conflux developer community