

## Milestone #1: Core Development Environment

Establish the foundational IDE infrastructure with Monaco Editor integration, providing developers with essential code editing capabilities and real-time feedback for Move development on IOTA.

- Integration of Monaco Editor with Move language support and syntax highlighting
- Implementation of real-time error checking and compilation feedback
- Development of split-pane interface with editor, console, and deployment views
- Integration with IOTA TypeScript SDK for basic blockchain interactions
- Implementation of template-based project creation system
- Development of Move.toml configuration editor with validation
- Support for IOTA Move Extension integration

**Grant Amount:** \$10,000.00 in USDT

## Milestone #2: Build and Deploy System

Focus on building the compilation and deployment pipeline, enabling developers to seamlessly build, verify, and deploy Move contracts to the IOTA network directly from the browser.

- Implementation of real-time compilation with `iota move build`
- Integration of bytecode inspection
- Development of one-click deployment system
- Implementation of automated bytecode verification
- Integration of transaction simulation
- Development of gas estimation and transaction monitoring
- Integration with `iota client publish`

**Grant Amount:** \$8,000.00 in USDT

## **Milestone #3: Smart Contract Interaction Interface**

Complete the platform with comprehensive smart contract interaction capabilities, enabling developers to deploy, test, and interact with their contracts in a seamless environment.

- Development of auto-generated contract interfaces
- Implementation of PTB (Programmable Transaction Block) support
- Creation of address management system
- Integration of transaction signing capabilities
- Development of real-time contract state monitoring
- Documentation and example contract templates
- Performance optimization and deployment to production

**Grant Amount:** \$7,000.00 in USDT

## **Milestone #4: Mainnet Support**

Enhance the platform with mainnet capabilities.

- Wallet connection
- Secure client-side signing (no private key exposure)
- Network switch (testnet ↔ mainnet)
- Transaction broadcast + status tracking
- Mainnet maintenance & testing

**Grant Amount:** \$7,000.00 in USDT

## Milestone #5: PTB Creation Interface

Add PTB Creation interfaces.

- Visual PTB builder (step-by-step command list)
- Supports: MoveCall, TransferObjects, SplitCoins, MergeCoins, etc.
- Auto-handle input/output references between steps
- Dynamic module/function/param selection (with ABI parsing)
- Real-time validation (types, ownership, errors)
- Preview/dry-run option before sending
- Execute on testnet/mainnet

**Grant Amount:** \$8,000.00 in USDT