

DApp Developers and Smart Contract Auditors

SMART CONTRACT SECURITY AUDIT of ZAPIT CONTRACTS



Smart Contract Audit of Zapit June 10th, 2024 | v. 1.0



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AUDIT INTRODUCTION

Auditing Firm	SecureDApp Auditors	
Audit Architecture	SecureDApp Auditing Standard	
Language	Solidity	
Client Firm	Zapit	
Website	Zapit	
Twitter	https://x.com/zapit_io	
Linkedin	https://www.linkedin.com/company/zapit-io	
Report Date	July 16th, 2024	

About Zapit

Zapit is a comprehensive, self-custodial cryptocurrency platform designed to revolutionize peer-to-peer payments and decentralized services. As a universal payment app, Zapit provides seamless access to Web 3.0, enabling users to engage with decentralized applications, execute transactions, store tokens, and trade—all within a single, integrated platform.



AUDIT DOCUMENT

Name	Smart Contract Code Review and Security Analysis Report for Zapit
Approved By	Himanshu Gautam CTO at SecureDApp
Туре	Decentralized P2P service with non-custodial escrow system
Platform	EVM
Language	Solidity
Changelog	16.07.2024 – Final Review

AUDIT SCOPE

The scope of this report is to audit the smart contract source code of Zapit P2P contracts.

Our client provided us with four facets of smart contracts of diamond proxy pattern.

- AdminFacet.sol
- EscrowFacet.sol
- EscrowFacetERC20.sol
- SignatureFacet.sol

All the contracts were written in Solidity and based on the Diamond Proxy Standard (EIP-2535). Smart contracts are to be deployed on multiple EVM compatible networks. AdminFacet implements configurations with respect to fee, currencies allowed, arbitrator and pausable features. EscrowFacet implements functionalities for P2P service of native chain tokens while EscrowFacetERC20 implements P2P functions for ERC20 tokens. SignatureFacet implements functions to verify signed messages based on EIP 712 standard.

After initial research, we agreed to perform the following tests and analyses as part of our well-rounded audit:

- Smart contract behavioral consistency analysis
- Test coverage analysis
- Penetration testing: checking against our database of vulnerabilities and simulating manual attacks against the contracts
- Static analysis
- Manual code review and evaluation of code quality
- Analysis of GAS usage
- Contract analysis with regards to the host network



Initial Review Scope

Repository	https://github.com/zapit-io/p2p-evmContract/tree/audit
Commit Hash	5e04062aff23fcb561993ca8914478401710616b
Functional Requirements	Partial documentation provided. README.md
Technical Requirements	Partial documentation provided. README.md
Contracts Addresses	-
Contracts	EscrowFacetERC20.sol EscrowFacet.sol AdminFacet.sol SignatureFacet.sol

Final Review Scope

Repository	https://github.com/zapit-io/p2p-evmContract/tree/audit
Commit Hash	e249fc03bb4e721165606021cd1db885c8ef3322
Functional Requirements	Partial documentation provided. README.md
Technical Requirements	Partial documentation provided. README.md
Contracts Addresses	-
Contracts	EscrowFacetERC20.sol EscrowFacet.sol AdminFacet.sol SignatureFacet.sol



Severity Definitions

Risk Level	Description
Critical	Critical vulnerabilities are usually straightforward to exploit and can lead to asset loss or data manipulations.
High	High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions.
Medium	Medium-level vulnerabilities are important to fix; however, they cannot lead to asset loss or data manipulations.
Low	Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that cannot have a significant impact on execution.
Informational	Issue listed to improve understanding, readability and quality of code

All statuses which are identified in the audit report are categorized here for the reader to review:

Status Type	Definition
Open	Risks are open.
Acknowledged	Risks are acknowledged, but not fixed.
Resolved	Risks are acknowledged and fixed.



AUDIT SUMMARY

<u>The SecureDApp</u> team has performed a line-by-line manual analysis and automated review of smart contracts. Smart contracts were analyzed mainly for common contract vulnerabilities, exploits, and manipulation hacks. According to the audit:

Status	Critical	High	Medium	Low	Informative
Open	0	0	0	0	0
Acknowledged	1	0	0	0	0
Resolved	4	3	3	0	0



AUDIT METHODOLOGY

<u>SecureDApp</u> scans contracts and reviews codes for common vulnerabilities, exploits, hacks and back- doors. Mentioned are the steps used by <u>SecureDApp</u> to audit smart contracts:

- a. Smart contract source code reviewal:
 - i. Review of the specifications, sources, and instructions provided to <u>SecureDApp</u> to make sure we understand the audit scope, intended business behavior, overall architecture, and project's goal.
 - ii. Manual review of code, which is the process of reading source code line-by-line to identify potential vulnerabilities.
- b. Test coverage analysis: (Unit testing)
 - i. Test coverage analysis is the process of determining whether the test cases are covering the code and how much code is exercised when we run those test cases.
- c. Static analysis:
 - i. Run a suite of vulnerability detectors to find security concerns in smart contracts with different impact levels.
- d. Symbolically executed tests: (SMTChecker testing) (Taint analysis)
 - i. Symbolic execution is analyzing a program to determine what inputs cause each part of a program to execute.
 - ii. Check for security vulnerabilities using static and dynamic analysis
- e. Property based analysis (Fuzz tests)(Invariant testing)
 - i. Run the execution flow multiple times by generating random sequences of calls to the contract.
 - ii. Asserts that all the invariants hold true for all scenarios.
- f. Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.
- g. Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts.

Automated 5S frameworks used to assess the smart contract vulnerabilities

- Consensys Tools
- SWC Registry
- Solidity Coverage
- Open Zeppelin Code Analyzer
- Solidity Shield Scan



We have audited the smart contracts for commonly known and more specific vulnerabilities. Below is the list of smart contract tests, vulnerabilities, exploits, and hacks:

ID	Description Statu	
EEA 3.3	Oracle Manipulation	N/A
EEA 3.3	Bad Randomness - VRF	N/A
S60	Assembly Usage	Passed
\$59	Dangerous usage of block.timestamp	Passed
EEA 3.7	Front-Running Attacks	N/A
EEA 3.7	Back-Running Attacks	N/A
EEA 3.7	Sandwich Attacks	N/A
DASP	Gas Griefing Attacks	Passed
DASP	Force Feeding	Passed
SCSVS V2	Access Control	Passed
DASP	Short Address Attack	Passed
DASP	Checks Effects Interactions	Passed
EEA 4.1	No Self-destruct	Passed
SCSVS V14	Decentralized Finance Checks	Passed



Slither Tests	Checks for ERC's conformance	Passed
Coverage	Unit tests with 100% coverage	-
Gas Reporter	Gas usage & limitations	Passed
Echidna Tests	Malicious input handling	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELF-DESTRUCT Instruction	Passed
SWC-107	<u>Re-entrancy</u>	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegate Call to Untrusted Callee	Passed



SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-134	Message call with the hardcoded gas amount	Passed
SWC-135	Code With No Effects (Irrelevant/Dead Code)	Informational
SWC-136/SCSVS V3	Unencrypted Private Data On-Chain	Passed



SYSTEM OVERVIEW

Zapit provides users with P2P Buy & Sell of assets without the involvement of a central authority. Keeping the trades confidential and safe using an open source non-custodial escrow system. System architect uses four core facets contracts.

AdminFacet contract manages the administrative configurations of the smart contract system. It includes functions for setting and adjusting transaction fees, defining allowed currencies, configuring the arbitrator for dispute resolution, and implementing pausable features for maintenance or emergencies.

EscrowFacet contract facilitates peer-to-peer (P2P) transactions involving native chain tokens by providing a secure mechanism for holding funds in escrow during transactions, managing the deposit, release, and refund of these tokens. Similarly, the EscrowFacetERC20 contract handles P2P transactions specifically for ERC20 tokens, offering equivalent escrow services tailored to ERC20 tokens.

Finally, the SignatureFacet contract handles the verification of signed messages based on the EIP-712 standard, ensuring the integrity and authenticity of the signatures used in the system. The scope of the audit is the above four facets contracts.

Privileged roles

- 1. Contract Owner Role : OwnershipFacet
 - a. Manage contract upgradability
 - b. Manage Admin functions:
 - i. Pause Contracts
 - ii. setWhitelistedCurrencies
 - iii. setArbitrator
 - iv. setFees and setFeeAddress
- 2. AdminFacet Arbitrator Role:
 - a. claimDisputedOrder

Risks

- 1. The impact of the owner role being compromised would have a huge impact on the protocol.
- 2. Centralization risk is the most common cause of cryptography asset loss.
- 3. Compromising the Owner Role may lead to all user's asset loss.



FINDINGS

Centralization Risk

Centralization risk is the most common cause of dapp's hacks. When a smart contract has an active contract ownership, the risk related to centralization is elevated. There are some well-intended reasons to be an active contract owner, such as:

- Contract owners can be granted the power to pause() or lock() the contract in case of an external attack.
- Contract owners can use functions like, include(), and exclude() to add or remove wallets from fees, swap checks, and transaction limits. This is useful to run a presale, and to list on an exchange.

Authorizing a full centralized power to a single body can be dangerous. Unfortunately, centralization related risks are higher than common smart contract vulnerabilities. Centralization of ownership creates a risk of rug pull scams, where owners cash out tokens in such quantities that they become valueless. Most important question to ask here is, how to mitigate centralization risk? Here's SecureDApp's recommendation to lower the risks related to centralization hacks:

- Smart contract owner's private key must be carefully secured to avoid any potential hack.
- Smart contract ownership should be shared by multi-signature (multi-sig) wallets.
- Smart contract ownership can be locked in a contract, user voting, or community DAO can be introduced to unlock the ownership.

Zapit Centralization Status

• Zapit smart contract has Contract Ownership Role.



STATIC ANALYSIS REPORT

Symbol Meaning
:
🛑 Function can modify state
💵 Function is payable
Contract Type Bases
EscrowFacet Implementation Modifiers, SignatureFacet
EscrowFacetERC20 Implementation Modifiers, SignatureFacet
SignatureFacet Implementation
AdminFacet Implementation Modifiers
Function Name **Visibility** **Mutability** **Modifiers**
EscrowFacet Implementation Modifiers, SignatureFacet
createEscrowNative External 🚦 💵 nonReentrant nonContract onlyWhitelistedCurrencies
claimDisputedOrder External ! 🛑 nonReentrant nonContract
executeOrder External 🚦 🛑 nonReentrant nonContract
buyerCancel External ! 🛑 nonReentrant nonContract
EscrowFacetERC20 Implementation Modifiers, SignatureFacet
createEscrowERC20 External 🚦 💵 nonReentrant nonContract onlyWhitelistedCurrencies
claimDisputedOrderERC20 External 🚶 🛑 nonReentrant nonContract
executeOrderERC20 External 🚦 🛑 nonReentrant nonContract



buyerCancelERC20 External 🚶 🛑 nonReentrant nonContract
11111
SignatureFacet Implementation
getMessageHash Public NO
getEthSignedMessageHash Public ! NO!
recoverSigner Public 🚦 NO 📙
splitSignature Public ᆝ NO 📙
AdminFacet Implementation Modifiers
pause External 🚦 🛑 whenNotPaused onlyOwner
unpause External 🚦 🛑 whenPaused onlyOwner
setWhitelistedCurrencies External 🚦 🛑 onlyOwner
setArbitrator External 🚦 🛑 onlyOwner
setFees Public ᆝ 🛑 onlyOwner
setFeeAddress External 🚦 🛑 onlyOwner
paused External 💄 NO 💄
getWhitelistedCurrencies External NO
getArbitrator External 🚦 NO 📕
getFees External NO
getFeeAddress External NO
getEscrow External NO



TRANSACTION GAS CHART

Solc ve	Solc version: 0.8.24		nabled: false	Runs: 200	Block limit: 3	30000000 gas
Methods					 ·····	
Contract ·	Method	Min	Max	Avg	· # calls	usd (avg)
AdminFacet	grantRole	-	_	55082	2	-
AdminFacet	pause	-	-	52483	2	-
AdminFacet	renounceRole	. –	-	30751	1	-
AdminFacet	revokeRole		-	33183	1	-
AdminFacet	setArbitrator		-	35782	1	-
AdminFacet	setFeeAddress	• –	· - ·	32938	· 1	
AdminFacet ·	setWhitelistedCurrencies	• 51826	52066	51946	· · · 2	
AdminFacet ·	unpause	· –	· · · · · · · · · · · · · · · · · · ·	30580	· · · · 2	-
DiamondCutFacet	diamondCut	211173	1356208	723668	· · · · · · · 3	····· · –
EscrowFacet	buyerCancel	· –	····· · ·	58004	· · · · · 1	· · · · · · · · · · · · · · · · · · ·
EscrowFacet	claimDisputedOrder	• 65247	79231	72239	· · · · · 2	
EscrowFacet	createEscrowNative	• 206432	243444	215685	· · · · · · · · · · · · · · · · · · ·	·····
EscrowFacet	executeOrder		·····	79317	······ · 1	·····
EscrowFacetERC20	buyerCancelERC20	·····		63827	·····	·····
·····					·	
EscrowFacetERC20	claimDisputedOrderERC20	• 73606	88960 •••••	81283		·
EscrowFacetERC20	createEscrowERC20	· _ ·····	· _ ·	271723	. 8 	_
EscrowFacetERC20	executeOrderERC20	· _ ·····	· _ ·	103699	· 1	-
OwnershipFacet ·	transferOwnership	·	· _ ·	34080	·2	-
Token ·	increaseAllowance	30244	47344	33094	· 6	-
Token	mint	51756	68868	57464	3	
Deployments		:	· • • • • • • • • • • • • • • • •		% of limit	
AdminFacet			_	1222737	4.1 %	-
Diamond				4122291	13.7 %	_
DiamondInit		·	· _ ·	489853	1.6 %	-
EscrowFacet		· _	_	2090281	• 7 %	-
EscrowFacetERC20		·	· _ ·	2255250	7.5 %	_
SignatureFacet		· _		465328	1.6 %	_
Token				1248365	4.2 %	
•						



MANUAL REVIEW

Identifier	Definition	Severity
CEN-01	Centralization privileges of Zapit Contract Owner	Critical

Centralized privileges are listed below:

- Contract Owner Role : OwnershipFacet
 - Control contract upgradability
 - Manage Admin functions:
 - Pause Contracts
 - setWhitelistedCurrencies
 - setArbitrator
 - setFees and setFeeAddress

RECOMMENDATION

Use Openzepplin Access Control framework instead or Ownable module to avoid single point of failure. Usage of Multi-Sig wallet for authorisation is recommended. Please refer to CENTRALIZED PRIVILEGES for a detailed understanding.



Identifier	Definition	Severity
CEN-02	Protecting the Initialization Function in DiamondInit	Critical

DiamondInit contract includes an external init function that currently lacks access controls. This function initializes various storage variables and sets up supported interfaces, making it crucial for the contract's proper operation. Without access control, any external entity can call this function, potentially leading to malicious reinitialization or manipulation of the contract's state. This vulnerability can have severe consequences, including unauthorized fee adjustments, changing the arbitrator, or triggering unintended contract behaviors.

RECOMMENDATION

Safeguard the init function from unauthorized access, implement an access control mechanism.



Identifier	Definition	Severity
CEN-03	Use of proxy and Diamond upgradeable pattern	Critical

Contract upgradeability allows privileged roles to change current contract implementation.

RECOMMENDATION

Test and validate the current contract thoroughly before deployment. Future contract upgradeability negatively elevates centralization risk.

Status: Acknowledged



Identifier	Definition	Severity
CEN-04	Ensuring Proper Functionality of the Pausable Mechanism	Critical

In EscrowFacetERC20 and EscrowFacet contracts, the Pausable mechanism is not effectively halting all platform activities. This inadequacy can lead to vulnerabilities where the platform operations continue even when they should be paused, potentially exposing the platform to risks or misuse during these periods.

RECOMMENDATION

To ensure the Pausable mechanism properly halts all platform activities, you need to integrate the whenNotPaused modifier into all critical functions that should be stopped when the contract is paused.



Identifier	Definition	Severity
CEN-05	Mismatch in Fee Calculation Precision Between Off-chain and On-chain Calculations	Critical

The contract calculates seller fees based on a precise formula involving _value and ds.escrowFeeBP, ensuring fees are deducted correctly. However, off-chain fee calculation in the client-side code uses a simplified calculation which may lead to precision mismatches.

RECOMMENDATION

Consistent Calculation Methods: Ensure that fee calculations in both off-chain and on-chain environments use the same precise arithmetic methods to avoid discrepancies. Try to isolate fee calculation function in contract and use that to calculate even for off chain use cases.



Identifier	Definition	Severity
HGH-01	Improving Ether Transfer Methods in EscrowFacet Contract	High

The EscrowFacet contract currently uses the outdated transfer function for Ether transfers, which can fail due to gas limitations. The recommended approach is to use the call method for greater flexibility and reliability.

RECOMMENDATION

Replace all instances of transfer with the call method to improve the security and reliability of Ether transfers. Ref: <u>https://solidity-by-example.org/sending-ether/</u>



Identifier	Definition	Severity
HGH-02	Enhancing Security with SafeERC20 Library in EscrowFacetERC20 Contract	High

The EscrowFacetERC20 contract currently performs unchecked ERC20 token transfers, which can lead to vulnerabilities such as failed transactions not being properly handled. Using the OpenZeppelin SafeERC20 library ensures that all token transfers are executed safely, handling potential errors gracefully and increasing overall contract security.

RECOMMENDATION

Replace all instances of unchecked ERC20 token transfers with the SafeERC20 library to ensure safe and reliable token transactions.



Identifier	Definition	Severity
HGH-03	Missing Ether Withdrawal Function to EscrowFacetERC20 Contract	High

The EscrowFacetERC20 contract has payable functions but lacks a mechanism to withdraw Ether, which can lead to Ether being locked in the contract indefinitely. This is a critical issue as it can result in the loss of funds if Ether is accidentally sent to the contract. To prevent this, a withdrawal function should be implemented, allowing the contract owner to retrieve any Ether stored in the contract or remove the payable modifier.

RECOMMENDATION

Add a function to withdraw Ether from the contract to ensure that any Ether received can be recovered.



Identifier	Definition	Severity
MED-01	Enhancing Test Coverage for Upgradability and Pausable Features	Medium

The current test suite lacks unit and end-to-end test cases for the upgradability functionality and the pausable features of the contract. This gap in test coverage can result in undetected issues or vulnerabilities, potentially compromising the reliability and security of the contract.

RECOMMENDATION

Develop unit tests to validate the upgradability functionality and end-to-end tests to verify the pausability features.



Identifier	Definition	Severity
MED-02	Mitigating Risk with Multi-Signature Framework for Arbitrator Role	Medium

The current contract employs a single wallet arbitrator, which poses a risk if the private key associated with the arbitrator account is compromised.

RECOMMENDATION

Integrate a multi-signature framework for contract arbitration to enhance security and mitigate the risk of private key exposure.



Identifier	Definition	Severity
MED-03	Enhancing Contract Stability with Fixed Pragma Directive	Medium

The contract currently utilizes a pragma version that may introduce breaking changes or unexpected behavior due to its recentness.

RECOMMENDATION

To ensure stability and reliability, it is advisable to use a fixed pragma directive, such as version 0.8.18, which has undergone extensive testing and is less likely to encounter compatibility issues.



UNIT TEST REPORT

Zapit Unit Test Cases

const diamond = '0x5FbDB2315678afecb367f032d93F642f64180aa3' const diamondInit = '0xe7f1725E7734CE288F8367e1Bb143E90bb3F0512' Token deployed: 0xa513E6E4b8f2a923D98304ec87F64353C4D5C853

- ✔ UPGRADABILITY: Check all facets within diamond
- ✔ UPGRADABILITY: Remove a AdminContract from diamond
- ✔ UPGRADABILITY: Check all facets within diamond
- ✔ UPGRADABILITY: Fail to call methods from admin contract
- ✔ UPGRADABILITY: Add a AdminContract to diamond
- ✔ UPGRADABILITY: Check all facets within diamond
- ✔ UPGRADABILITY: Fail to add AdminContract to diamond again
- ✔ UPGRADABILITY: Non owner cannot remove AdminContract from diamond
- ✓ ADMIN: [OWNERSHIP] Should fetch and verify the ownership of the contract
- ✔ ADMIN: [OWNERSHIP] Should transfer ownership to account[1] i.e arbitrator
- ✔ ADMIN: [OWNERSHIP] Should transfer ownership back to account[0] i.e deployer
- ✔ ADMIN: [ARBITER] Should verify the arbiter
- ✔ ADMIN: [FEE ADDRESS] Should fetch the default market fee address
- ✔ ADMIN: [FEE ADDRESS] SET+GET Should set and fetch the default market fee address
- ✔ ADMIN: [Fees] Should fetch the market fee set
- ✓ ADMIN: [PAUSABLE] Market should not be paused initially
- ✔ ADMIN: [ROLE] Check deployer hasRole
- ✓ ADMIN: [ROLE] secondaryDeployer hasRole must be false
- ✓ ADMIN: [ROLE] Grant Role to secondaryDeployer
- ✓ ADMIN: [ROLE] secondaryDeployer hasRole must be true
- ✔ ADMIN: [ROLE] secondaryDeployer must be able to pause and unpause the market
- ✔ ADMIN: [ROLE] Revert Unauthorized Grant Role invocation from non admin account
- ✔ ADMIN: [ROLE] Revoke Role
- ✓ ADMIN: [ROLE] secondaryDeployer hasRole must be false
- ✓ ADMIN: [ROLE] Assign role to secondaryDeployer and it must renounce the Role
- ✔ CORE: [DimaondInit] Should not be able to execute as it can only be called by the owner
- ✓ CORE: [DimaondInit] 0th storage slot must be owner for diamind and address(0) for diamond init
- ✓ ADMIN [PAUSABLE] Should pause the market
- ✓ PAUSABLE: Fail to create order due to paused contract
- ✓ PAUSABLE: Should unpause the market
- ✔ WHITELIST: Fail to create order as currency is not whitelisted
- ✓ WHITELIST: Whitelist base currency
- ✔ EscrowFacet: Create and Complete Native currency trade
- ✓ EscrowFacet: Create and Cancel order
- ✓ EscrowFacet: Create and Claim dispute (Buyer)
- ✔ EscrowFacet: Create and Claim dispute (Seller)
- EscrowFacetERC20Contract: Create and Complete Native currency trade
- ✓ EscrowFacet: Create and Cancel order
- ✓ EscrowFacet: Create and Claim dispute (Seller)
- ✓ EscrowFacet: Create and Claim dispute (Buyer)

19 passing (913ms)



DISCLAIMER

SecureDApp Auditors provides the easy-to-understand audit of solidity source codes (commonly known as smart contracts).

The smart contract for this particular audit was analyzed for common contract vulnerabilities, and centralization exploits. This audit report makes no statements or warranties on the security of the code. This audit report does not provide any warranty or guarantee regarding the absolute bug-free nature of the smart contract analyzed, nor do they provide any indication of the client's business, business model or legal compliance. This audit report does not extend to the compiler layer, any other areas beyond the programming language, or other programming aspects that could present security risks. Cryptographic tokens are emergent technologies, they carry high levels of technical risks and uncertainty. You agree that your access and/or use, including but not limited to any services, reports, and materials, will be at your sole risk on an as-is, where-is, and as-available basis. This audit report could include false positives, false negatives, and other unpredictable results.

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SecureDApp Auditor provides intelligent blockchain solutions. SecureDapp is developing an ecosystem that is seamless and responsive. Some of our services: Blockchain Security, Token Launchpad, NFT Marketplace, etc. SecureDapp's mission is to interconnect multiple services like Blockchain Security, DeFi, Gaming, and Marketplace under one ecosystem that is seamless, multi-chain compatible, scalable, secure, fast, responsive, and easy to use.

SecureDApp is built by a decentralized team of UI experts, contributors, engineers, and enthusiasts from all over the world. Our team currently consists of 6+ core team members, and 10+ casual contributors. SecureDApp provides manual, static, and automatic smart contract analysis, to ensure that the project is checked against known attacks and potential vulnerabilities.

To learn more, visit : <u>https://securedapp.in/</u>

To view our audit portfolio, visit : <u>github.securedapp.in</u>

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