



OXSCANS

# BuddyAI

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## OVERVIEW

This audit has been prepared for 'BuddyAI' to review the main aspects of the project to help investors make an informative decision during their research process

You will find a summarized review of the following **key points**:



Contract's source code



Owner wallets



Tokenomics



Team transparency and goals



Website's age, code, security and UX



Whitepaper and roadmap



Social media and online presence

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# General Information

## BuddyAI

Name

BuddyAI

Category

Ethereum Ecosystem

Info

[Website](#)

[Telegram Bot](#)

# General Information

## Tokenomics

Ticker 0X98E35F5599B57998900E5E0675721C90A5499327

Network Ethereum

Contract Address 0x98e35f5599b57998900e5e0675721c90a5499327

# General Analysis

## Audit Review Process

- 1

Testing the smart contracts against both common and uncommon vulnerabilities
- 2

Assessing the codebase to ensure compliance with current best practices and industry standards
- 3

Ensuring contract logic meets the specifications and intentions of the client
- 4

Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders
- 5

Thorough line-byline AI review of the entire codebase by industry

## Token Transfer Stats

Transactions (Latest Mine Block)



1

Token holders



645

Compiler



v0.8.22

## Smart Contract Stats

Functions



30

Events



4

Constructor



1

# Detail Analysis

## Threat Level

|                 |   |
|-----------------|---|
| ● High          | Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment |
| ● Medium        | Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment |
| ● Low           | Issues on this level are minor details and warning that can remain unfixed  |
| ● Informational | Informational level is to offer suggestions for improvement of efficacy or secuirty for fratures with risk free factor                    |

## Threat Level

|                 |                 |
|-----------------|-----------------|
| ● High          | 2 threats found |
| ● Medium        | 0 threats found |
| ● Low           | 0 threats found |
| ● Informational | 0 threats found |

# Detail Analysis

## Vulnerability Check



19 Passed



2 Fail



Arbitrary Jump/Storage Write



Centralization of Control



Compiler Issues



Delegate Call to Untrusted Contract



Dependence on Predictable Variables



Ether/Token Theft



Flash Loans



Front Running



Improper Events



Improper Authorization Scheme



Integer Over/Underflow



Logical Issues



Oracle Issues



Outdated Compiler Version



Race Conditions



Reentrancy



Signature Issues



Sybil Attack



Unbounded Loops



Unused Code



Overall Contract Safety



# Detail Analysis

## Detail Analysis



19 Passed



2 Fail

| CATEGORY                            | STATUS | NOTES  |
|-------------------------------------|--------|--|
| Arbitrary Jump/Storage Write        |        | The contract does not exhibit arbitrary jumps or storage writes, as it adheres to standard Solidity development patterns.            |
| Centralization of Control           |        | No risk of centralization as the contract owner is a dead address, eliminating the risks associated with centralized control.        |
| Compiler Issues                     |        | Compiled with a recent Solidity version (0.8.9) with optimization enabled, reducing the risk of known compiler issues.               |
| Delegate Call to Untrusted Contract |        | There is no use of delegatecall to an untrusted contract, mitigating risks associated with delegate calls.                           |
| Dependence on Predictable Variables |        | The contract does not rely on variables like block.timestamp or block.number in a way that affects core functionalities or security. |

# Detail Analysis

## Detail Analysis



19 Passed



2 Fail

| CATEGORY                      | STATUS | NOTES   |
|-------------------------------|--------|---|
| Ether/Token Theft             |        | No functions are present that directly transfer Ether or tokens to arbitrary addresses in an unauthorized manner.   |
| Flash Loans                   |        | The contract does not interact with flash loan functions, making it unaffected by flash loan attacks.   |
| Front Running                 |        | The contract could potentially be susceptible to front-running attacks, as it does not implement anti-front-running measures like using a commit-reveal scheme. |
| Improper Events               |        | All critical functions emit events correctly, providing transparency and traceability.  |
| Improper Authorization Scheme |        | The contract uses a standard Ownable pattern, but as the owner is a dead address, it does not pose a risk of improper authorization.                            |
| Integer Over/Underflow        |        | SafeMath library is used consistently for arithmetic operations, mitigating risks of overflows and underflows.  |

# Detail Analysis

## Detail Analysis



19 Passed



2 Fail

| CATEGORY                  | STATUS | NOTES   |
|---------------------------|--------|---|
| Logical Issues            |        | No apparent logical issues or inconsistencies in the contract logic.                                |
| Oracle Issues             |        | The contract does not interact with oracles, thus not exposing it to oracle-related risks.          |
| Outdated Compiler Version |        | The contract uses a recent Solidity compiler version (0.8.9), which is not outdated.                |
| Race Conditions           |        | No functions or patterns were found that could lead to race conditions.                             |
| Reentrancy                |        | The contract's functions are structured in a way that avoids reentrancy vulnerabilities.            |
| Signature Issues          |        | The contract does not rely on external signatures, hence is not exposed to signature-related risks. |

# Detail Analysis

## Detail Analysis



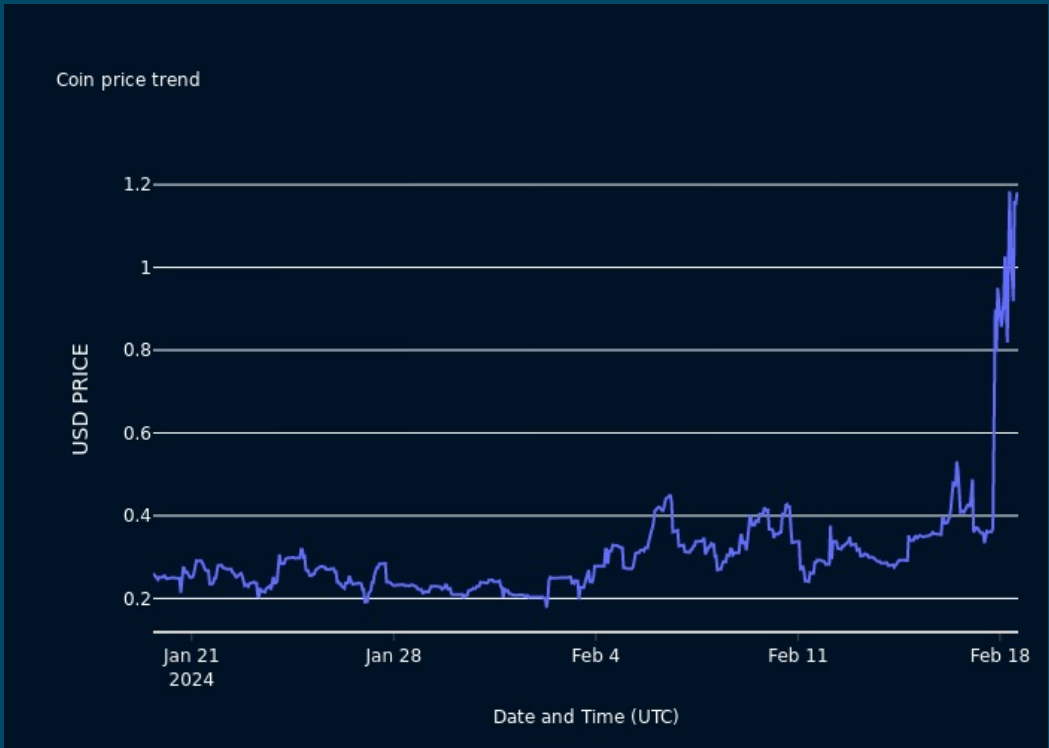
19 Passed



2 Fail

| CATEGORY                | STATUS | NOTES  |
|-------------------------|--------|--|
| Sybil Attack            |        | The nature of the contract does not make it susceptible to Sybil attacks.  |
| Unbounded Loops         |        | All loops in the contract have bounded conditions, avoiding risks of gas limit issues or denial-of-service.  |
| Unused Code             |        | The contract's code does not contain redundant or unused code, ensuring efficiency and reducing attack surface.  |
| Overall Contract Safety |        | The contract follows general best practices and does not exhibit critical vulnerabilities, though improvements are suggested in anti-front-running measures. |

# Market Analysis



## Score





## Legal Disclaimer

0xscans operates as an automated system for smart contract due diligence, acknowledging the possibility of bugs or vulnerabilities impacting token values. We do not hold specific obligations regarding your trading outcomes or the utilization of audit content. Users release 0xscans from any liability associated with content obtained through the tool.



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