



SPYWOLF

Security Audit Report



Audit prepared for
Robotant

Completed on
December 10, 2024



OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

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

- ✓ Program's source code
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence



The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

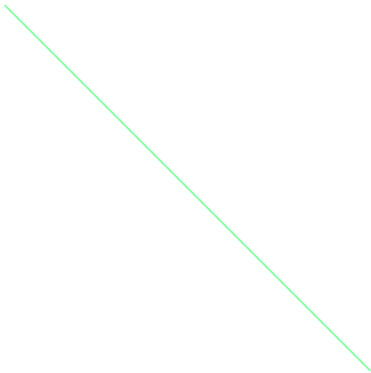
- SPYWOLF Team -





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ROBOTANT



PROJECT DESCRIPTION

RobotAnt (\$RANT) is an innovative cryptocurrency designed to revolutionize the world of digital assets with a focus on community engagement and fun. With a total supply of \$888,000,000,000, our memecoin offers a variety of opportunities for investors, users and players alike. This white paper aims to provide a comprehensive overview of RobotAnt's tokenomics, functionalities and vision

Release Date: PResale starts in December

Category: Meme

01



PROGRAM INFO

Token Name	Symbol
Robotant	Rant
Program Address	
FhQFJYweUUNLWwvs3hV3Z8r5nyw8ezjryUVGHffxW4iU	
Network	Language
Solana	Rust
Deployment Date	Program Type
April 28, 2024	Token
Total Supply	Status
887,804,330,000	Presale

TAXES



Our Program Review Process

The contract review process pays special attention to the following:

- ✓ Testing the programs against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring program logic meets the specifications and intentions of the client.
- ✓ Cross referencing program structure and implementation against similar programs produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- Solana Program Library (SPL)
- Manual Auditing / Sec3 / Neodyme
- Rust Compiler
- Anchor Framework



CURRENT STATS

Token Standard

SPL Token (Standard: 2)

Ownership Details

- **Primary Sale:** Has not occurred (primarySaleHappened = 0).
- **Is Mutable:** Yes (isMutable = 1), meaning metadata updates are still possible.

Owner Program: SPL Token Program

(TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA).

Metadata URI

The token points to an off-chain IPFS URL for metadata storage:

<https://bafkreiawbr4y7b2ckcg5746j6wj6swqosbjw6bnddz22pjhbhd6g44khy.ipfs.nftstor>

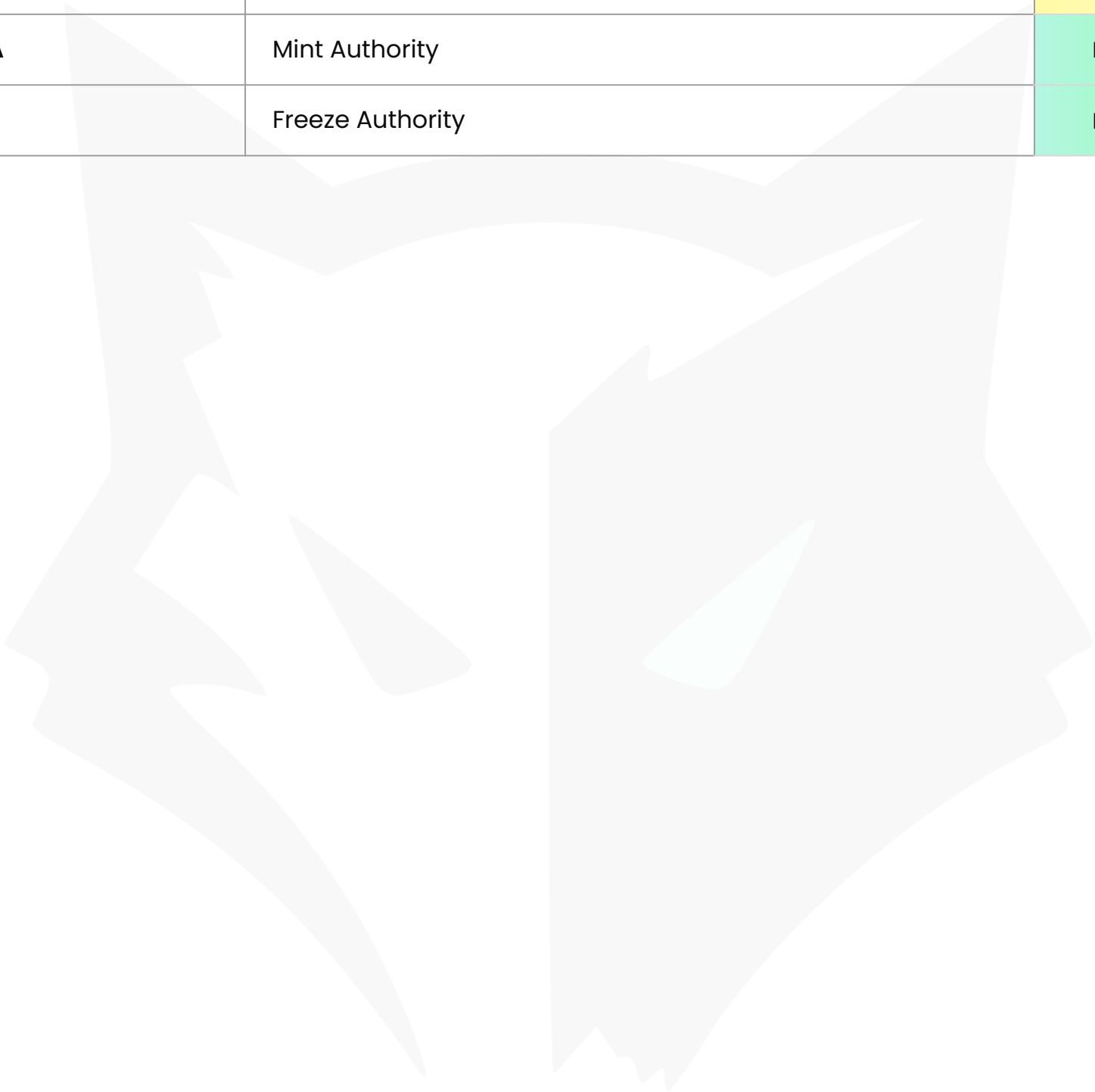
Risks Identified from Metadata

- **Seller Fee Basis Points:** 0, indicating no royalties on resale.
- **Edition Nonce:** 255, potentially related to identifying editions if the token is part of a collection.



CODE REVIEW

Code	Title	
STPUPA	Update Authority	Medium Risk
STPTFA	Transfer Fee Configuration Authority	Low Risk
STPMTA	Mint Authority	Passed
STPFRA	Freeze Authority	Passed





VULNERABILITY ANALYSIS

ERRORS FOUND

STPUPA: Update Authority

■ Medium Risk

The update authority (4UrxvkvrRbDcsjnRfiKut6NqTmF8KuoKLfqBejstxGSq) retains control to modify metadata. This could be exploited if compromised, leading to metadata manipulation (e.g., changing URI or name).

- Recommendation:
 - Transfer the update authority to a secure, known wallet or burn it to prevent metadata updates.

```
const { Connection, Keypair, PublicKey, Transaction, SystemProgram } = require('@solana/web3.js');
const { createUpdateMetadataInstruction } = require('@metaplex-foundation/mpl-token-metadata');

// Replace with actual public key of the mint and update authority
const mintPublicKey = new PublicKey('FhQFJYweUUNLWwvs3hV3Z8r5nyw8ezjryUVGHffxW4iU');
const updateAuthority = Keypair.fromSecretKey(Uint8Array.from([...]));

const transferUpdateAuthority = async () => {
  const connection = new Connection('https://api.mainnet-beta.solana.com');
  const transaction = new Transaction().add(
    createUpdateMetadataInstruction({
      updateAuthority: updateAuthority.publicKey,
      mint: mintPublicKey,
      newUpdateAuthority: null, // Burn the update authority
    })
  );
  await connection.sendTransaction(transaction, [updateAuthority]);
};
```




VULNERABILITY ANALYSIS

ERRORS FOUND

STPTFA: Transfer Fee Configuration Authority

Low Risk

No evidence of a transfer fee configuration. If a transfer fee exists, verify that it aligns with token economics.

- Recommendation:
 - Validate or burn any transfer fee configurations.

```
const { createTransferInstruction } = require('@solana/spl-token');

const burnTransferFeeAuthority = async (mint) => {
  const transaction = new Transaction().add(
    createTransferInstruction({
      mint,
      source: userWallet,
      destination: destinationWallet,
      amount: 0,
      transferFeeConfigAuthority: null, // Burn the transfer fee authority
    })
  );
  await connection.sendTransaction(transaction, [userWalletKeypair]);
};
```



VULNERABILITY ANALYSIS

ERRORS FOUND

STPMTA: Mint Authority

Status: Disabled (N/A)

 Passed

Minting is permanently disabled (Mint Authority = N/A). This prevents additional tokens from being minted, ensuring supply immutability.

- Recommendation:
 - No further action is required. The mint authority is properly disabled.



VULNERABILITY ANALYSIS

ERRORS FOUND

STPFRA: Freeze Authority

Status: Disabled (N/A)

 Passed

No freeze authority present. This ensures accounts cannot be arbitrarily frozen, safeguarding token holders' assets.

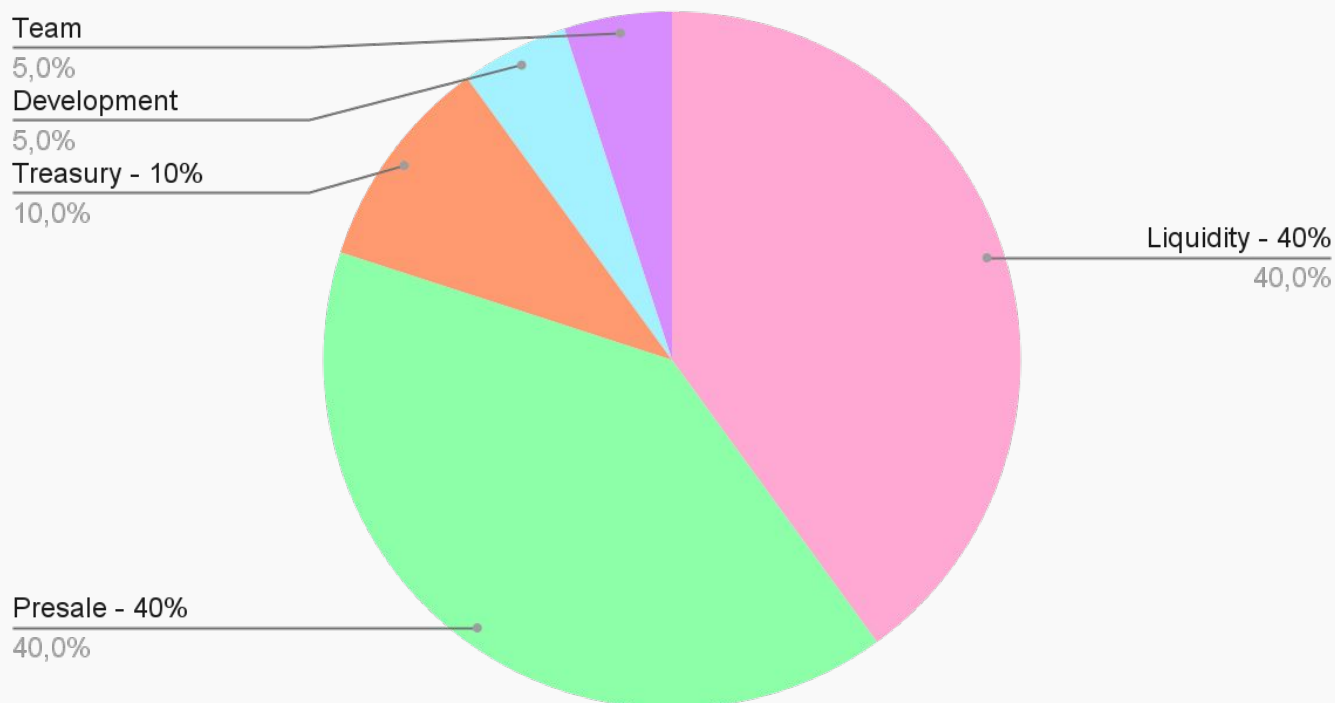
- Recommendation:
 - No further action is required. The freeze authority is properly disabled.



*The following tokenomics are based on the project's whitepaper and/or website:

- Liquidity - 40%
- Development - 5%
- Presale - 40%
- Team - 5%
- Treasury - 10%

Tokens distribution



TOKENOMICS



WEBSITE

Website URL
<https://robotant.io/>

Domain Registry
Private

Domain Expiration
Private

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

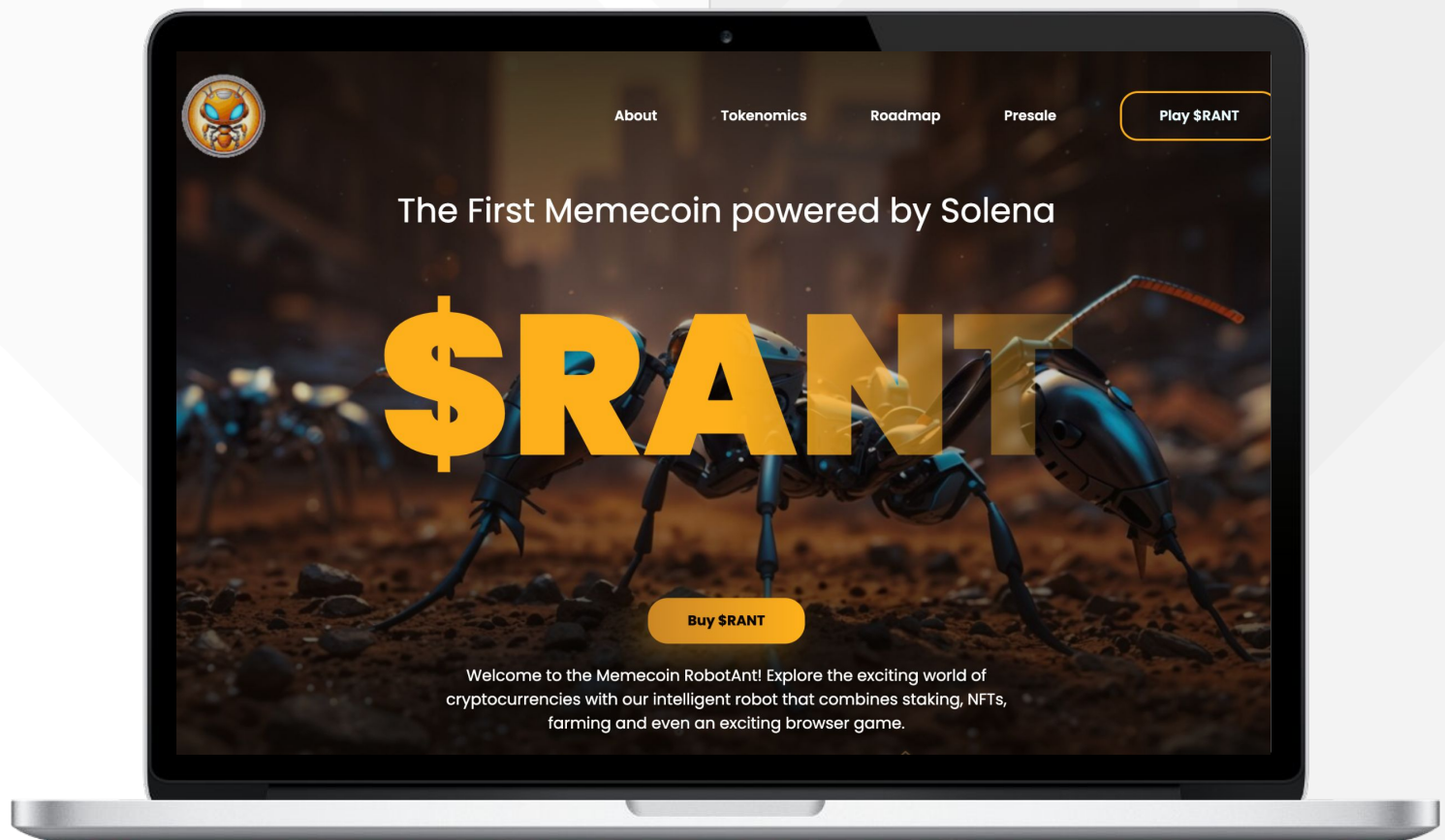
Design
Very nice color scheme and overall layout.

Content
The information helps new investors understand what the product does right away.
No grammar errors found. .

Whitepaper
Well written

Roadmap
Yes

Mobile-friendly?
Yes



robotant.io

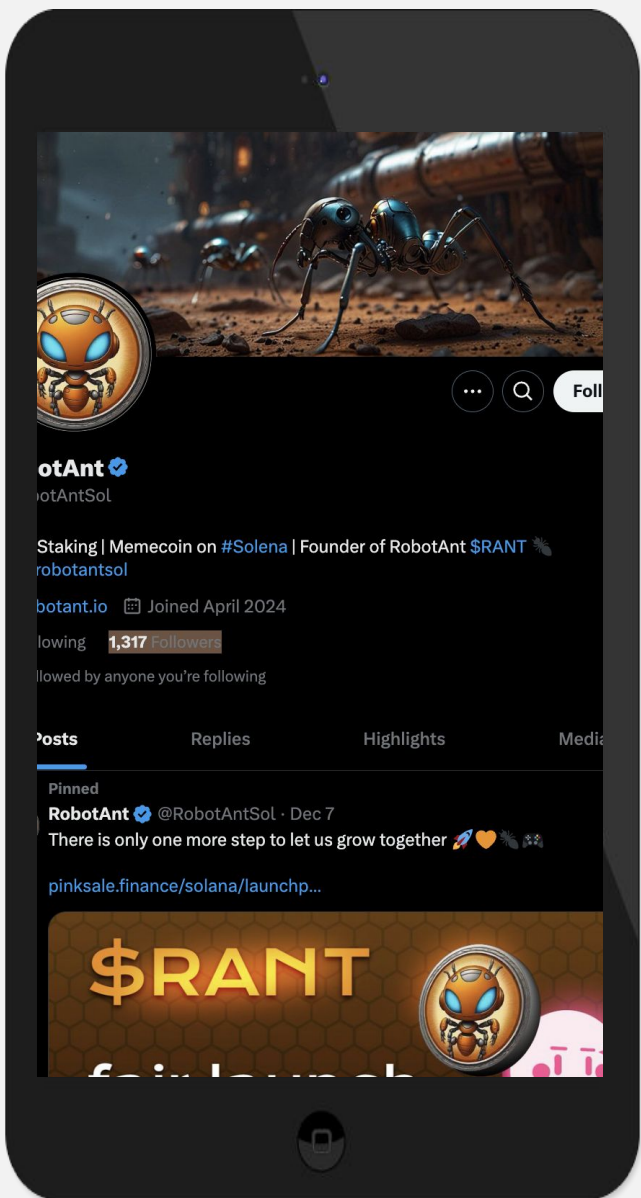
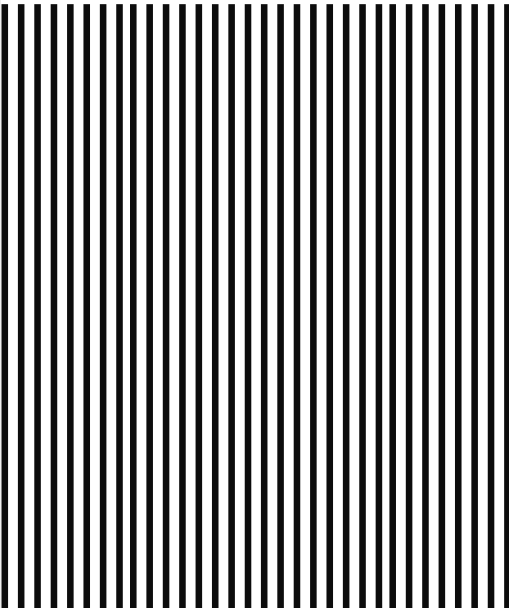


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

The project's social media pages are active with daily posts and responses from the devs.



Twitter's X
@robotantsol

- 1,317 Followers
- Daily posts



Discord
@hHhp42nq

- 12 members



Telegram
@robotantsol

- 1,125 members
- Active mods and devs
- Daily announcements



Medium

- Not available



SPYWOLF

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.