



SPYWOLF

Security Audit Report



Audit prepared for
DOGEN

Completed on
September 30, 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

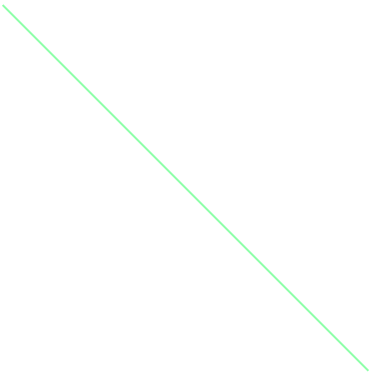
- SPYWOLF Team -





TABLE OF CONTENTS

Project Description	01
Program Information	02
Current Stats	03
Vulnerability Check	04
Tokenomics	05
Website Analysis	06
Social Media & Online Presence	07
About SPYWOLF	08
Disclaimer	09



DOGEN



PROJECT DESCRIPTION

DOGEN is a meme token on the Solana network. Dogen is the alpha dog and a devoted degen who never misses an opportunity to make gains. If you're into stunning women, luxury watches, fine cigars, flashy cars, sunshine, and the sea, then join the Dogen Army!

Release Date: Presale starts in October, 2024

Category: Meme



PROGRAM INFO

Token Name
DOGEN

Symbol
\$DOGEN

Contract Address
B7xavrAozTaImSQu8YAcvPtf76xlfJYyLrYdTnbrah

Network
Solana

Deployment Date
Sep 16, 2024

Program Type
Standard

Total Supply
10,000,000,000

Status
Presale



Our Contract 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

Owner:

The program is owned by the system program (BPFLoader21111111111111111111111111111111), indicating it may be non-upgradeable.

On-Chain Activity Analysis

Total Transactions: [5]

Signature	Block	Time	Instructions	By	Value (SOL)	Fee (SOL)
5gRejbyjjv8zDLfw2TmnJWWZjX38P9943uR...	290083831	16 days ago	setAuthority 1+	65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC	0.000005	0.000005
yy8mnnaF9LTCDQZhb4poYaxh9E6wPwYxUf8...	290083080	16 days ago	create	65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC	0.015621722	0.000005002
5yH1SZKJT91DmqHcHdFCYZmU9Exi2Unt13...	290082836	16 days ago	mintToChecked	65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC	0.000005	0.000005
3VEL6ZWGCAF1meo1nz3UWyx5bxaUz4nuk...	290082772	16 days ago	create 5+	65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC	0.00204428	0.000005
2mjc1Q6x498hCM19w4TJXxWHQX3ijboy6F...	290082572	16 days ago	createAccount 2+	65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC	0.0014716	0.00001



CURRENT STATS

Token Interactions

Token Mint Addresses:

B7xavrAozTaImSQu8YAcvPftf76x1fJYyLrYdTnbrah

Total Tokens Minted:

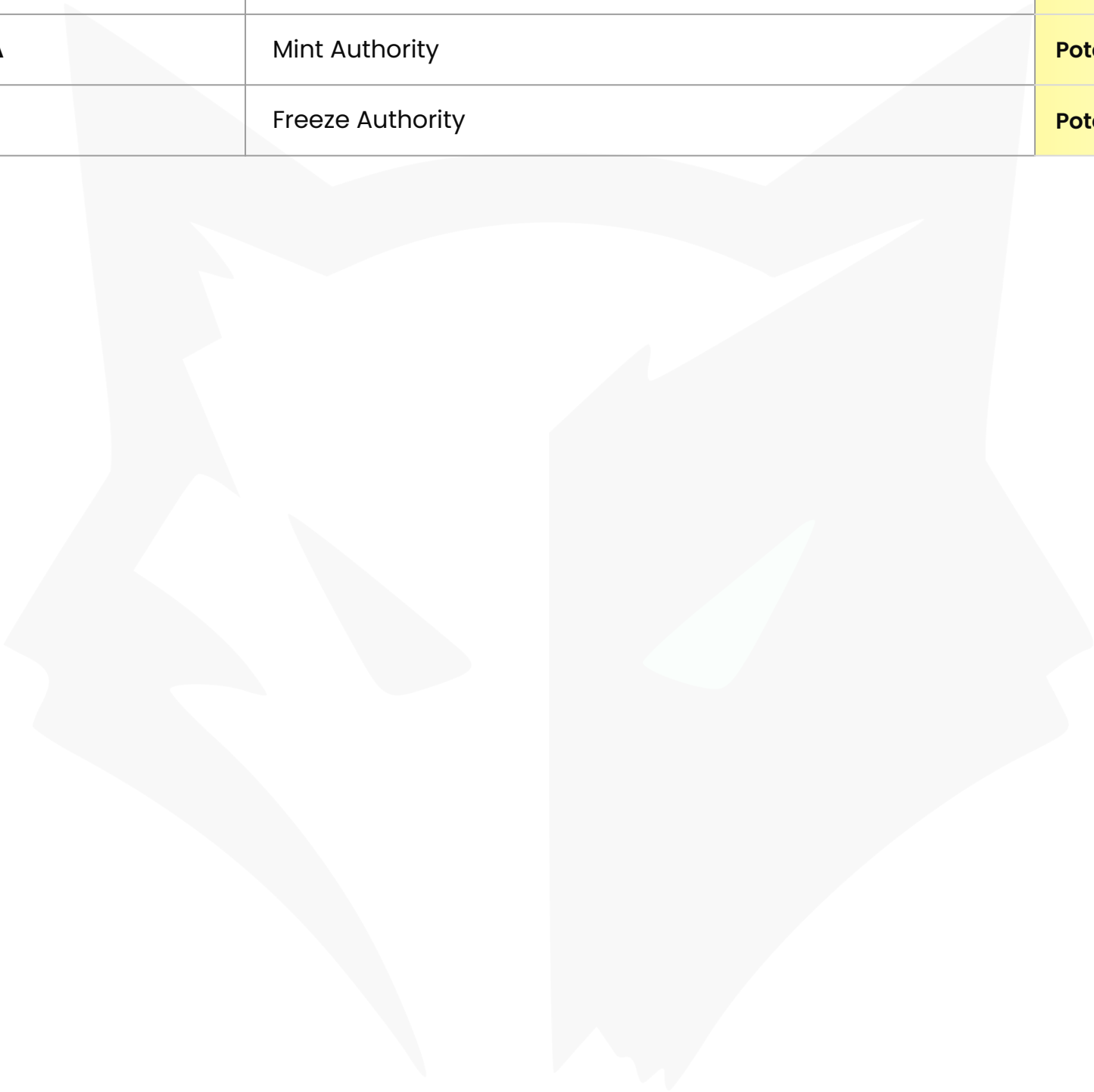
10,000,000,000.00

```
▼ { 8 items 📄  
  key : 4 📄  
  updateAuthority : "65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC"  
  mint : "B7xavrAozTaImSQu8YAcvPftf76x1fJYyLrYdTnbrah"  
  ▼ data : { 4 items  
    name : "DOGEN The Meme ($DOGEN)"  
    symbol : "DOGEN"  
    uri : "https://arweave.net/aqdmxV_FsArV3VqTavjzwFImW9JnCIN_mBJir6zVCdo"  
    sellerFeeBasisPoints : 0  
  }  
  primarySaleHappened : 0  
  isMutable : 1  
  editionNonce : 254  
  tokenStandard : 2  
}
```



CODE REVIEW

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





VULNERABILITY ANALYSIS

STPUPA: Update Authority

 Passed

This token is non-upgradable because its program is managed by the Solana core team. Specifically, the token's program address is **TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA**, which is the standard Solana Token Program.

Since this program is deployed and maintained by the Solana protocol itself, it is immutable and cannot be modified or upgraded. Additionally, the program is owned by **BPFLoader2**[XXXXXXXXXXXXXXXXXXXXXXXXXXXX](#), which further confirms that it is permanently locked from upgrades.

```

{ 8 items
  key : 4
  updateAuthority : "65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC"
  mint : "B7xavrAozTa1msQxu8YAcyPftf76x1fJJYyLrYdTnbrah"
  data : { 4 items
    name : "DOGEN The Meme ($DOGEN)"
    symbol : "DOGEN"
    uri : "https://arweave.net/aqdmxV_FsArV3VqTavjzwFImW9JnCin_mBJir6zVCdo"
    sellerFeeBasisPoints : 0
  }
  primarySaleHappened : 0
  isMutable : 1
  editionNonce : 254
  tokenStandard : 2
}

```



VULNERABILITY ANALYSIS

STPTFA: Transfer Fee Configuration Authority

Potential Risk

The **Transfer Fee Configuration Authority** allows the modification or implementation of transaction fees on token transfers. Since it did not pass, this means the entity still has the authority to configure or modify transfer fees. This means they retain the ability to introduce or change the fee structure for transactions involving the token at any time in the future.



VULNERABILITY ANALYSIS

STPMTA: Mint Authority

Potential Risk

The **Mint Authority** governs the ability to create or mint new tokens. If the Mint Authority had passed, it would mean that no further tokens could be minted. However, since it did not pass, this means that there is still an active entity that holds the power to mint new tokens. This means the token supply is not fixed, and the entity with the Mint Authority has the potential to increase the total supply by issuing more tokens in the future.



VULNERABILITY ANALYSIS

STPFRA: Freeze Authority

Potential Risk

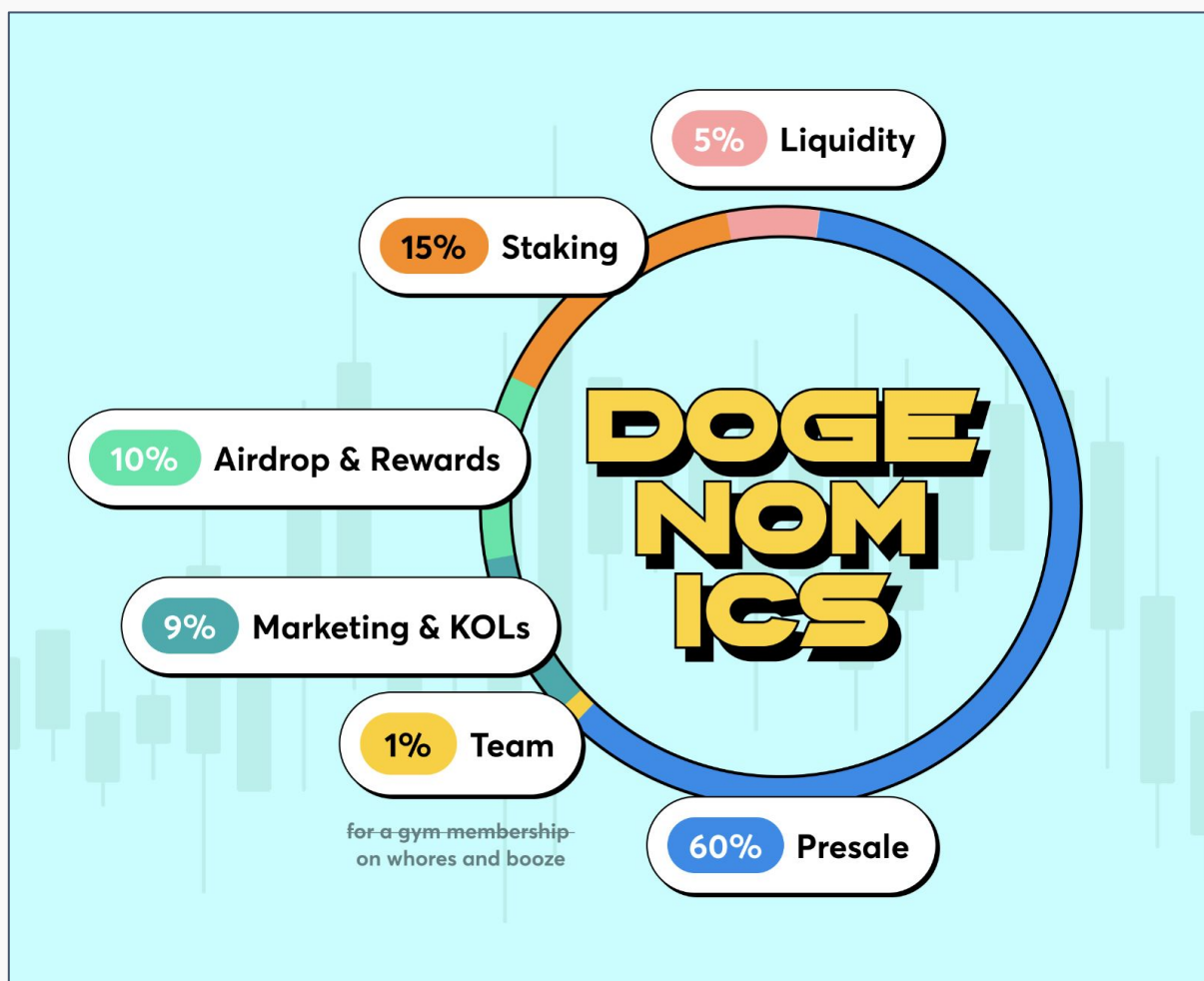
The **Freeze Authority** allows an entity to freeze token accounts, preventing transfers of tokens from those accounts. Since it did not pass, this means there is an active entity that has the ability to freeze accounts if they choose to. This could be used to restrict certain users' access to their tokens, typically for reasons like regulatory compliance or addressing suspicious activity.



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

- 60% - Presale
- 10% - Airdrop
- 15% - Staking
- 5% - Liquidity
- 9% - Marketing
- 1% - Team

Token Distribution



TOKENOMICS



WEBSITE

Website URL

<https://dogen.meme/en>

Domain Registry

Private

Domain Expiration

Private

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme, illustrations and overall layout of a memecoin.

Content

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

Whitepaper

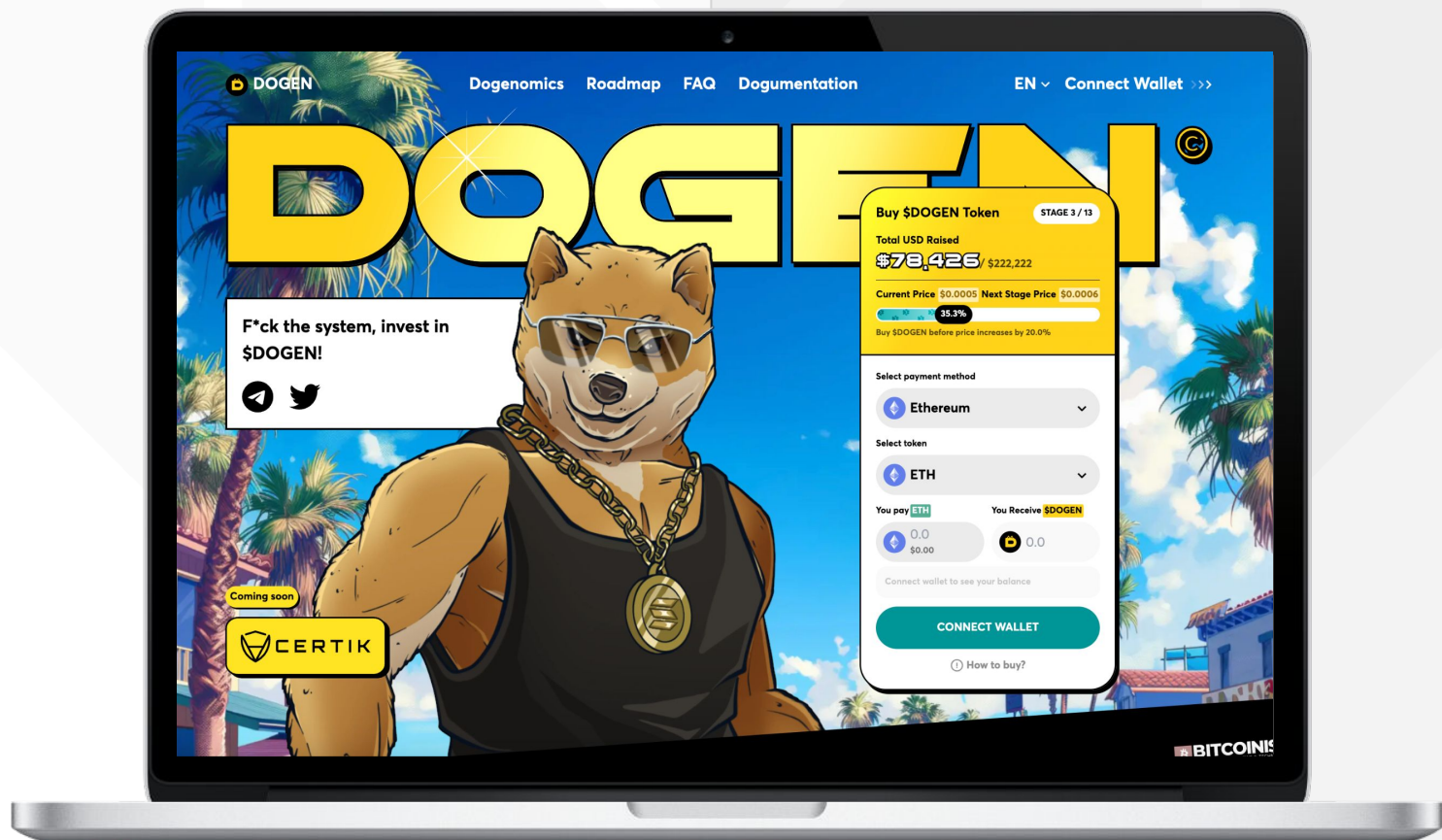
Well written but a bit short

Roadmap

Yes

Mobile-friendly?

Yes



dogen.meme

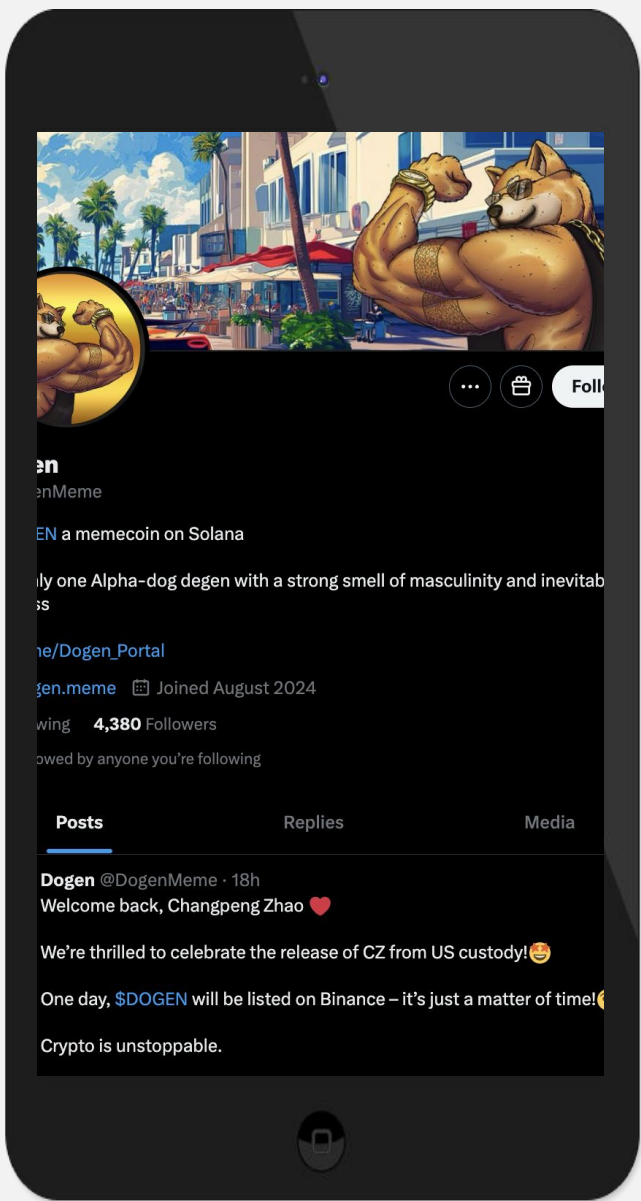
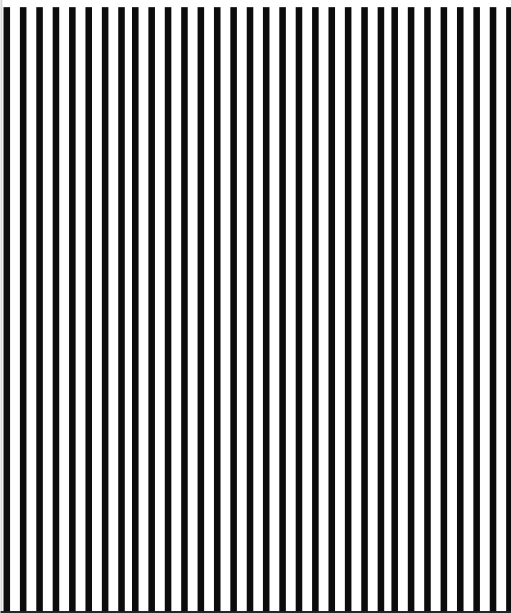


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Social media pages are active and up-to-date.



Twitter's X
@dogenmeme

- 4,381 Followers
- Responds to comments
- Daily posts



Discord

- Not available



Telegram
@Dogen_Portal

- 2 517 members
- Active mods and devs
- Daily announcements



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 700 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to
contact@spywolf.co or
t.me/joe_SpyWolf

FIND US ONLINE



[SPYWOLF.CO](https://spywolf.co)



[@SPYWOLFNETWORK](https://t.me/SPYWOLFNETWORK)



[@SPYWOLFNETWORK](https://twitter.com/SPYWOLFNETWORK)



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.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

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

