

# Mahdi Rostami — Smart Contract Auditor

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I am a security researcher with over 100 High and Medium findings in Solidity and Rust smart contracts. Since June 2024, I have been a top-ranked researcher on the Hats Finance leaderboard (<https://app.hats.finance/leaderboard>). I conduct private audits with Pashov Audit Group ([pashov.net](https://pashov.net)) and Güvenkaya ([guvenkaya.co](https://guvenkaya.co)). Additionally, I serve as a lead auditor and judge in multiple security competitions in Hats Finance.

## Key Achievements

- Ranked 1st on the Hats Finance leaderboard.
- Placed in the top 3 in 12 Solidity and Rust security competitions.
- Conducting private audits with Pashov Audit Group.
- Completed multiple private audits in Solana and Solidity.
- Served as a lead auditor and judge in multiple security competitions.

## Technical Skills

- Programming Languages: Solidity, Rust, Javascript, Python, Vyper.
- Development: Forge, Anvil, Cast, Hardhat.
- Security analysis: Slither, Foundry Fuzz.
- Other Skills: Machine Learning, Data Science.
- Extensive knowledge of the Ethereum VM intrinsics, Gas optimization techniques, and Ethereum security common vulnerabilities, and mitigation patterns.

## Education

### Professional Qualifications

- Cyfirm Smart Contract Security and Auditing ([updraft.cyfrin.io/courses/security](https://updraft.cyfrin.io/courses/security))
- Cyfirm Advanced Foundry ([updraft.cyfrin.io/courses/advanced-foundry](https://updraft.cyfrin.io/courses/advanced-foundry))

## Academic Education

- Master's Degree in Computer Science (Data Science and Machine Learning), 2023.

## Experience

### Top in Competitions

- Seer-pm (October 2024) Language: Solidity Rank: 1st [Results](#)
- Circles (September 2024) Language: Solidity Rank: 1st [Results](#)
- Proof Of Humanity V2 (September 2024) Language: Solidity Rank: 3rd [Results](#)
- Dappslap (August 2024) Language: Rust (Solana) Rank: 2nd [Results](#)
- Inverter (August 2024) Language: Solidity Rank: 2nd [Results](#)
- PalmeraDao (August 2024) Language: Solidity Rank: 1st [Results](#)
- Metrom (June 2024) Language: Solidity Rank: 1st [Results](#)
- Kintsu (June 2024) Language: Rust (Ink) Rank: 1st [Results](#)
- Alephzero Most (April 2024) Language: Rust (Ink), Solidity Rank: 1st [Results](#)
- Alephzero Common-amm (February 2024) Language: Rust (Ink) Rank: 2nd [Results](#)
- Possum Hlp-adapter (November 2023) Language: Solidity Rank: 1st [Results](#)
- Convergence (September 2023) Language: Solidity Rank: 2nd [Results](#)

### Judge and Lead Auditor on HatsFinance

- Fenix (July 2024) Language: Solidity [Report](#)
- Palmera (June 2024) Language: Solidity [Report](#)
- Inverter (June 2024) Language: Solidity [Report](#)
- Kintsu (May 2024) Language: Rust (Ink) [Report](#)

### Pashov Audit Group

- Private yet (February 2025) Language: Rust (Solana) Not reported yet
- Private yet (January 2025) Language: Solidity Not reported yet
- [Onchain Heroes](#) (January 2025) Language: Solidity Not reported yet

### Guvenkaya Sec

- Private yet (January 2025) Language: Rust (Solana) Not reported yet

## Private Audit, Testing, and Development

- Possum Lab - Cyber Cash (January 2025) Language: Solidity [Code Report](#)
- Possum Lab - Passel Market (November 2024) Language: Solidity [Code Report](#)
- KeyperLabs AG - PalmeraDao (September 2024) Language: Solidity [Code Report](#)
- Possum Lab - Core (July 2024) Language: Solidity [Code Report](#)
- Possum Lab - ArbitrageBot (June 2024) Language: JS, HTML [Code](#)
- Possum Lab - ArbitrageBot (June 2024) Language: Python [Code](#)
- Liquidity - Liquidityv2 (June 2024) Language: Solidity Gas Saving Private
- Possum Lab - Adapters (May 2024) Language: Solidity [Code](#) Private
- Possum Lab - PortalsV2 (April 2024) Language: Solidity [Code Tests](#)
- Possum Lab - PortalsV2 (March 2024) Language: Solidity [Code](#) Private
- Possum Lab - Adapter (January 2024) Language: Solidity [Code](#)
- Possum Lab - Time Rift (December 2023) Language: Solidity [Code Report](#)
- Possum Lab - PortalsV1 (November 2023) Language: Solidity [Code Tests](#)

## Teamworks

- Starknet Staking (September 2024) Language: Cairo Private, 6th on leaderboard [Results Competition](#) Teammate: thepantherplus
- Winnables Raffles (September 2024) Language: Solidity 3h-2m out of 3h-5m [Results Competition](#) Teammate: yashar0x
- Fjord (September 2024) Language: Solidity 1h-2m out of 1h-4m [Results Competition](#) Teammate: MatinRezaii1