Audit Report - 022f4898-c048-4116-866a-9d7c96f1dd3e

MEDIUM - Line 34

Issue: Use of `block.timestamp` for timestamping

Recommendation: While `block.timestamp` is generally considered safe for most purposes, it can be manipulated by miners. Consider using a more secure source of time if possible, or be aware of the potential risks.

LOW - Line 20

Issue: Private variables can be accessed via debug or other means

Recommendation: While `private` variables are not directly accessible, they can still be accessed via other means such as debug or by inspecting the storage layout. Consider whether this is acceptable for your use case.

HIGH - Line 44

Issue: Unbounded loop potential in `getAuditedCodeHashes`

Recommendation: The `getAuditedCodeHashes` function returns an array that can grow unbounded as more audits are performed by a user. This could lead to gas costs becoming prohibitively expensive for large numbers of audits. Consider implementing pagination or other mechanisms to limit the amount of data returned.

LOW - Line 17

Issue: Lack of input validation for `ipfsHash`

Recommendation: The `storeAudit` function does not validate whether `ipfsHash` is a valid IPFS hash. Consider adding checks to ensure it conforms to expected formats.

MEDIUM - Line 17

Issue: Use of `calldata` for `ipfsHash` in `storeAudit` but not checking its length

Recommendation: The function `storeAudit` uses `calldata` for `ipfsHash` which is good for gas efficiency. However, it does not check if `ipfsHash` is empty. Consider adding a check to ensure it's not empty before storing.