Audit Report - 64727eb4-df7c-4b81-9c75-df168babdc1a

Vulnerabilities

MEDIUM - Line 31

Issue: Use of `block.timestamp` can be manipulated by miners

Recommendation: Consider using a more secure source of time or documenting the potential risk

LOW - Line 45

Issue: Unbounded loop potential in `getAuditedCodeHashes`

Recommendation: Consider adding a pagination mechanism or limiting the number of results

Gas Optimizations

Estimated Gas Usage: 2,50,000 gas

Line 31: Using `block.timestamp` instead of a local variable for timestamp

Estimated Savings: 100 gas

Line 38: Using `calldata` for `ipfsHash` in `storeAudit` is correct, but consider using a more gas-efficient data structure for `ipfsHash` if possible

Estimated Savings: 0 gas

Line 45: Consider caching the length of `userAuditHashes` to reduce gas costs

Estimated Savings: 200 gas

Line 53: Consider using a more efficient data structure than an array for `userAuditHashes`

Estimated Savings: 5,000 gas