AA23 reverted (or OOG)

OOG = Out Of Gas

ThevalidateUserOp function of the smart account either reverted or ran out of gas.

Possible solutions

- · Verify that theverificationGasLimit
- is high enough to cover thevalidateUserOp
 function's gas costs.
- Verify that thevalidateUserOp
- function is implemented with the correct logic, and that the user operation is supposed to be valid.

- using a paymaster, verify that thesender
 address has enough native tokens to cover the required prefund. Consider leveraging functions likeetRequiredPrefund

constrequiredPrefund=getRequiredPrefund({ userOperation })

constsenderBalance=awaitpublicClient.getBalance({ address: userOperation.sender })

if(senderBalance<requiredPrefund) { thrownewError(Sender address does not have enough native tokens) }

- If youare
 looking to use a paymaster to cover the gas fees, verify that thepaymasterAndData

...,// the rest of the user operation })

- · Make sure the signature verification logic of the smart account is implemented correctly. Namely, correct implementations shouldnot
- revert when the signature is invalid. If you are not looking to use neither time-based signatures nor a signature aggregator, you should simply returnuint(1)
- for invalid signatures in thevalidateUserOp
- If all else fails, investigate why thevalidateUserOp
 function reverted using tools like<u>Tenderly</u>