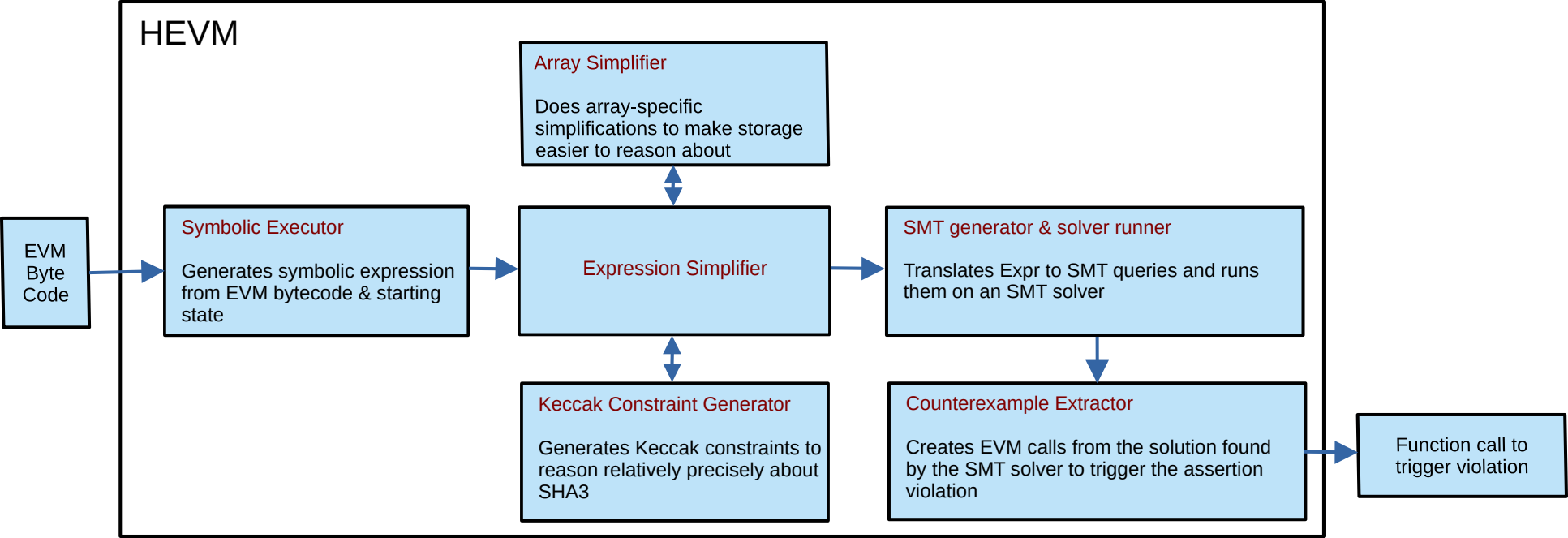
HEVM
Array Simplifier
Does array-specific simplifications to make storage easier to reason about
EVM Byte Code
Symbolic Executor
Generates symbolic expression from EVM bytecode & starting state
Expression Simplifier
SMT generator & solver runner
Translates Expr to SMT queries and runs them on an SMT solver
Keccak Constraint Generator
Generates Keccak constraints to reason relatively precisely about SHA3
Counterexample Extractor
Creates EVM calls from the solution found by the SMT solver to trigger the assertion violation
Function call to trigger violation