JARLANG

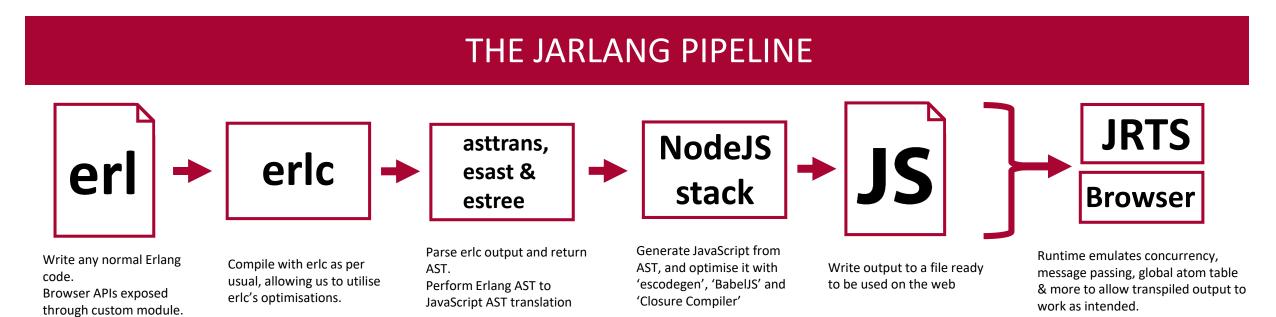
Compiling Erlang for the Browser (Because we can)

ABOUT

Jarlang is a transpiler written in Erlang and JavaScript with the ultimate goal of being able to translate a subset of Erlang (primarily focusing on the standard library) to valid JavaScript.

Jarlang does this by hooking into the Erlang compiler which allows us to work in Erlang's intermediate language representation which can then be manipulated as an Abstract Syntax Tree.

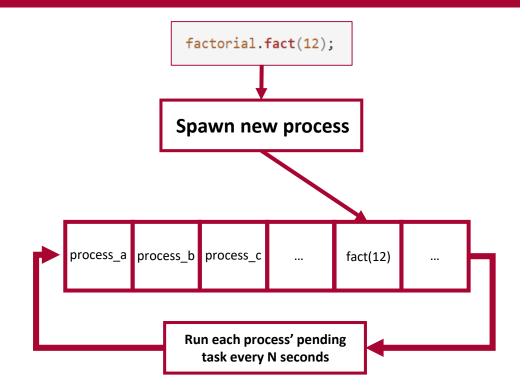
We then simply translate each of the Abstract Syntax Tree nodes one by one into their JavaScript equivalent and rely on existing NodeJS tools such as escodegen to generate valid output.



EXAMPLE INPUT & OUTPUT



EMULATING CONCURRENCY



TECH STACK













