JS Runtime war

feel old yet?

Gabriele Falasca
Conference Name - Year
Once upon a time...

In early 2000 companies and communities started a “war” for the dominance in web browser usage.
now the competition continues
but the positions and dominance
are very clear
But
Let’s start

What is a Javascript runtime?
a javascript runtime is something that allows you to execute javascript code in a given environment

gabrycaos
First one was:
History

First one was:

1996
History

First (modern) one was:

2009
Node.js

- Released in 2009
- Based on V8 javascript engine
- Asynchronous
- Single threaded
- Event driven
- npm as package manager
- MIT License
Deno(land)

- Released in 2020
- Based on V8 javascript engine
- Written in RUST
- Native support for Typescript, TSX and JSX
- Includes linter, formatter and test suite
- node and npm compatible
- Permission-based runner
- MIT License
• Released in 2023
• Based on JavascriptCore engine
• Native support for Typescript, TSX and JSX
• Includes linter, formatter and test suite
• Internal package manager
• Limited feature set
• MIT License
Let’s see some benchmark in browser and terminal
Node.js is Versatile!
Deno is Secure!
Bun is Fast!
Questions?

Gabriele Falasca
Frontend dev @Sourcesense

Mozilla Tech Speaker
@gabrycaos