# Introducing QuickJS-NG

## The mighty JavaScript engine

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# Intro
## What is QuickJS?

- Small and embeddable JavaScript engine — just a handful of files!

- Released in 2019 by Fabrice Ballard and Charlie Gordon

- Implements modern (ES 2023+) JavaScript with great test262 coverage

- Fast interpreter with low startup time

- Small reference CLI and standard library

# A fork on the road
## Introducing QuickJS-NG

- QuickJS went dormant in 2021

- In November 2023 Ben Noordhuis and myself forked it

- Goal: reignite the project as a community effort

- We call it a "friendly fork" because we aimed to evolve it while keeping the spirit and hope at some point we could merge and continue together

- **https://github.com/quickjs-ng/quickjs**

# NG
## What we focused on

- Community involvement: be active on GitHub, take PRs, help users help us

- Testing and CI: over 60 jobs, running test262 several times on each PR

- Cross platform compatibility: Windows is a first class citizen

- New ES features

- New APIs required by embedders

- Performance: polymorphic inline cache, opcode fusing, etc.

- Nice to have features: V8 stack tracing API, standalone executables

- Automated release process including binary artifacts

# Project Health
## How are we doing?

- Steady progress, 10 releases so far
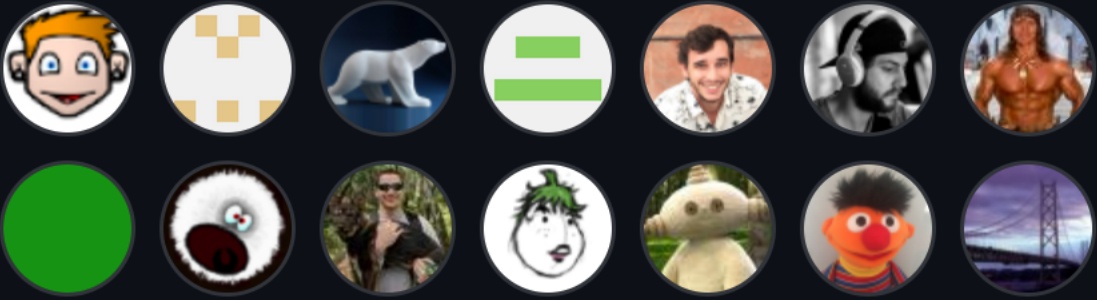
- 54 contributors

- The project "feels alive"



**Releases** 10

🏷️ **v0.8.0** 🎄 (Latest)
on Dec 23, 2024

+ 9 releases

**Contributors** 54

+ 40 contributors

# Project Health
## Who is using it?

- "Small JS runtimes": txiki.js and llrt

- radare2: a reverse engineering framework

- Gaming: nx.js (homebrew for Nintendo Switch) and GodotJS

- Several Rust bindings

- Full list: https://quickjs-ng.github.io/quickjs/projects

# Check NG out!

- We modified the API as little as we could: almost a drop-in replacement

- Many bindings and plugins will work unmodified

- If you like QuickJS and want a maintained version with more features, we got you!

- **https://github.com/quickjs-ng/quickjs**