

MoonBit JSONPath - OSC2026 Closeout Report

Module: ppyj663/moon-jsonpath | Version: 0.1.0 | License: Apache-2.0

Project Scope

MoonBit JSONPath is a compact JSONPath parser and evaluator implemented in MoonBit. It targets RFC 9535 core query patterns and integrates with moonbitlang/core/json. The project is prepared for public reuse through synchronized GitHub and GitLink repositories, CI validation, examples, tests, and Mooncakes publication.

Acceptance Evidence

Area	Delivered evidence
Repositories	GitHub ppyj663/moon-jsonpath and GitLink ppyj663/moon-jsonpath are synchronized on main and master.
Package	Mooncakes package ppyj663/moon-jsonpath version 0.1.0 published successfully after dry-run validation.
Implementation	Parser and evaluator cover root, child, bracket child, descendant, wildcard, and non-negative array index selectors.
Validation	Local checks passed: moon fmt --check, moon check --warn-list +73, moon test, moon run cmd/main, moon package, and git diff --check.
CI	GitHub Actions verifies formatting, checking, tests, and the runnable example on push and pull request.

Supported JSONPath Syntax

Supported: \$, .name, ["name"], ["name"], ..name, .*, [*], and [0]-style non-negative array indexes. Not yet supported: filters, slices, unions, negative indexes, and function extensions.

Public Links

GitHub: <https://github.com/ppyj663/moon-jsonpath>

GitLink: <https://gitlink.org.cn/ppyj663/moon-jsonpath>

Mooncakes: <https://mooncakes.io/docs/ppyj663/moon-jsonpath@0.1.0>

Closeout Notes

The repository documents its limitations explicitly and keeps the public API small: parse, evaluate, and query. Future work should add tests before expanding JSONPath syntax support.