SCRIPTERTORUST.COM

# Python to Production Rust

A 6-week coached cohort · training brief for your manager

## What it is

A 6-week live cohort, capped at six developers, coached by two senior engineers. Each developer builds a JSON parser in Rust, wires it into Python with PyO3, and benchmarks it against CPython. Every pull request gets a line-by-line code review.

**Next cohort:** starts November 30, 2026 · **Time:** ~10 hours per week, alongside work · **Format:** online, a weekly live call (recorded) plus async support

## What the developer brings back to the team

- **Speed where it pays:** keep the Python codebase, move the slow, costly or critical 10% into Rust. One cohort parser ran 2.96× faster than CPython's stdlib `json` on a 2.3 MB real-world file.
- **PyO3, the bridge behind Pydantic and Polars:** Python bindings, cross-language memory, and a Rust extension the team imports like any Python package, built with maturin.
- **Reviewing AI-written Rust:** ownership, lifetimes and error handling well enough to judge what Claude or Cursor produced before it ships.
- **Better Python:** explicit error handling, no hidden nulls, clear ownership of state. Habits that carry back into the existing codebase.

The team gets someone who can tell when Rust is worth it and when it isn't, not a rewrite.

## How the learning is verified

The developer works test-first and pushes code every week. The coaches review each PR for ownership, idiomatic Rust and maintainability, over several rounds. The result is a working, benchmarked library and six weeks of reviewed PRs on GitHub.

## Investment

**€2,000 per developer**, one-time. We invoice your company. Teams of 4 or more: we run a private cohort on your schedule.

## The coaches

**Jim Hodapp:** Rust developer and open source contributor, 20+ years across GNOME, Ubuntu, embedded systems and startups. **Bob Belderbos:** 10+ years at Sun/Oracle, co-founder of Pybites, 150+ developers coached.

**Questions or invoice requests:** book a call at scriptertorust.com/cohort/