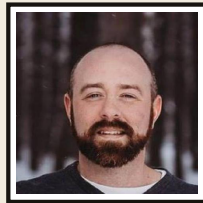


THE RESURRECTION

CASE No. 1788357179733_e0cda1



HERE LIES

bitrep

Kyle Clouthier · github.com/KyleClouthier

Kyle promised 'Any order. Any hardware. Same bits.' across Rust, JavaScript, and Python, and the internet responded with exactly 2 stars and 0 forks. Byte-identical reproducibility achieved by absolutely nobody bothering to clone it.

CAUSE OF DEATH: verified correct on every architecture, adopted on none

Survived by a CI badge, four golden hashes, and 43,684 unrelated ghost sightings.

A full resurrection, prepared 2 September 2026 by theyfell.com. Written by a machine that was not impressed. The pages that follow name what was built, what killed it, and the one thing that could still save it.



THE VERDICT

You built a determinism engine and then shipped it with zero determinism in your own distribution: 6 repos, 0 followers, 2 stars, and a flagship untouched for 38 days. "bitrep" is a real answer to a real pain, buried under a README that opens with a spec sheet and a profile that reads like a vendor booth. The bits are reproducible. The attention is not. You proved the hard thing and then never told anyone which problem it kills.

THE BODY

The body is "bitrep": "Any order. Any hardware. Same bits." Rust, 2 stars, 0 forks, created two months ago, last pushed 38 days ago. The README is the best sentence you have written and it is buried at position nine: "The badge is the claim: CI computes golden test vectors on x86-64 Linux, ARM64 macOS, x86-64 Windows and wasm32, and asserts one SHA-256 across all of them." Around it sits a corpse pile: "vacuity" (0 stars), "kani-vacuity-demo" (0 stars), and "anomaly-characteristic-layer", 43,684 accounts of unexplained experiences, 0 stars, in the same portfolio as your formal methods work.

CAUSE OF DEATH

You are selling a property, not a pain. Every line of "bitrep" describes what it guarantees, never what breaks without it: the Spark job whose totals differ by cents between reruns, the ML eval whose p99 shifts when the thread count changes, the auditor who cannot reproduce last quarter's pooled regression. Nobody wakes up wanting order-invariant reductions. They wake up because finance and engineering got different numbers from the same data and someone has to explain it. This is fatal, not embarrassing, because the audience that has the pain will never search your vocabulary. "Bit-identical floating-point reductions" is the answer key to a question you never printed.

TIME OF DEATH

Roughly ninety days out. The 38-day silence on "bitrep" becomes 120, the crate reads as abandoned to anyone evaluating a dependency, and 2 stars becomes the permanent number. Someone at a compiler shop or a Spark vendor ships the same idea with a blog post titled "Why your totals change between runs" and takes the whole category. You will read it and recognize your own README, rewritten for humans.



THE FIRST SCREEN

Five seconds on your profile gets: "Distributed systems and verifiable computing. Tested systems whose outputs carry a proof anyone can reproduce byte-for-byte." Two abstract nouns, one dangling participle, zero nouns a hiring manager or user can act on. Then "Clouthier Simulation Labs", which sounds like a consultancy with no clients, and 0 followers, which confirms it. The misunderstanding is total: a stranger reads "verifiable computing" as academic interest, not shipped tooling, and reads six repos with 2 stars combined as a hobby shelf. Then they see 43,684 unexplained-experience accounts sitting beside Kani harnesses and quietly close the tab. Cost: the exact engineers who would use "bitrep" leave before finding it, because nothing on screen names the failure it prevents.

WHAT TO CUT

Cut "anomaly-characteristic-layer" from your pinned surface, not from existence: 43,684 coded accounts of unexplained experiences is a genuinely interesting dataset, and it costs you every serious reader who is scanning for signal that you are a rigor person and finds paranormal corpora instead. Cut "kani-vacuity-demo" as a standalone repo and fold that one-second reproduction into the README of "vacuity", because two zero-star repos telling one story halve the story's weight and double the maintenance signal you are failing to send. Cut the phrase "Distributed systems and verifiable computing" from your bio entirely, because it is the category label on the shelf, not the product, and it makes you sound like a syllabus instead of someone who fixed a bug that costs money.



HOW TO CHEAT IT

STOP

Stop writing "bitrep" copy in the language of guarantees. "Order-invariant, bit-identical floating-point reductions" describes the mechanism to people who already understand the mechanism, which is roughly forty people worldwide, none of whom have budget. Stop leading with the property list and stop letting a two-month-old repo sit 38 days cold while you polish two Kani repos nobody has starred.

DO INSTEAD

Write and publish one piece, 1,200 to 1,800 words, titled "Your nightly total changes by three cents and nobody can tell you why." Structure: a runnable reproduction in the first screen, a Spark or Rayon sum over the same 10 million f64 values with two thread counts producing two different bit patterns, then the bitrep version producing one SHA-256 across x86-64 Linux, ARM64 macOS, Windows and wasm32. Deliverable by day seven: the post live on your profile README plus the first 200 words of "bitrep" README rewritten so paragraph one is the failure, paragraph two is the reproduction, and "The badge is the claim" moves to the top of the fold where it belongs. Cross-post to r/rust and Hacker News with the failure as the title, never the crate name.

PROOF

Within 30 days: 25 or more stars on "bitrep" and at least three inbound issues or questions that describe a real workload, meaning someone naming Spark, Polars, a ledger reconciliation, or an ML eval pipeline. Stars without workload questions means the copy landed and the use case did not. Zero of both means you shipped to the same forty people again.

THE 30-DAY PLAN

WEEK 1

Ship the rewritten "bitrep" README and the post "Your nightly total changes by three cents and nobody can tell you why", including a copy-paste reproduction that a stranger can run in under sixty seconds. Same week, unpin "anomaly-characteristic-layer" and replace the profile bio with one concrete line naming the failure, for example: "I build tools that make floating-point totals identical across every machine, thread count, and shard split." Push a commit to "bitrep" so the 38-day gap resets to zero.



WEEK 2

Post the piece to r/rust, Hacker News, and the Rust users forum, titled by the failure and not the crate. Then open three issues on real projects that have this bug in the open: search Polars, DataFusion, and Arrow issue trackers for "nondeterministic sum", "different results thread count", or "reproducibility", and reply with your reproduction plus a bitrep patch sketch. Deliverable: three linked comments, not three cold DMs.

WEEK 3

Ship "bitrep" 0.2 with a benchmark table in the README: nanoseconds per element against naive, Kahan, and Neumaier summation across the four CI targets. The objection you will get in week 2 is "how slow is it"; publish the number before you are asked again.

WEEK 4

Count stars and inbound workload questions. At 25 or more stars with three real workloads, fold "vacuity" and "kani-vacuity-demo" into one repo and repeat the exact same treatment: name the failure, ship the reproduction, publish. Under 10 stars, the post's title was still too technical; rewrite it around a single named industry and reship.

Nothing here is a compliment.

This report was generated from what you made public: your own words, your own numbers, your own repositories. It is satire with a straight face, and it is meant to be useful rather than kind. Every claim in it can be checked against the evidence it quotes, which is the point.

Written by theyfell.com. The free death notice and its card are at theyfell.com/obituary/bitrep-1788357179733_e0cda1. Raise anything else from the dead for \$49 at theyfell.com.

