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## Top picks

### Principia Softwarica

Lobsters firehose

• [runxiyu](#)

Principia Softwarica explores the foundational principles of software engineering, offering a rigorous framework for building robust systems. By emphasizing mathematical logic and formal verification, it addresses the growing need for reliable code in critical industries. This approach matters as organizations increasingly rely on software for safety and security, demanding methods that go beyond traditional testing.

<https://principia-softwarica.org/>

### Accelerating Gemma 4: faster inference with multi-token prediction drafters

Hacker News top

• [amrrs](#)

Google's Gemma 4 model uses multi-token prediction drafters to significantly speed up inference by predicting multiple tokens simultaneously. This technique reduces the computational load required for each generation step, making large language models faster and more efficient to run in real-time applications. The advancement addresses the bottleneck of slow generation speeds, enabling smoother user experiences without sacrificing model quality.

<https://blog.google/innovation-and-ai/technology/developers-tools/multi-token-prediction-gemma-4>

### TRE Python binding — ReDoS robustness demo

Simon Willison

The author created a Python binding for the TRE regular expression engine using ctypes to test it against malicious inputs designed to cause denial-of-service attacks. Unlike Python's standard library, which suffers from catastrophic backtracking, TRE remains robust because it lacks backtracking support. This demonstration highlights a critical security advantage for developers needing reliable regex handling in Python.

<https://simonwillison.net/2026/May/4/tre-python-binding>

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## Also worth a glance

krabby: making a fast Rust compiler

Lobsters firehose

<https://bal-e.org/speed/krabby>

PyInfra 3.8.0

Hacker News top

<https://github.com/pyinfra-dev/pyinfra/releases/tag/v3.8.0>

<b>OpenMythos: A theoretical reconstruction of the Claude Mythos architecture, built from first principles using the available research literature</b>	Lobsters firehose
<a href="https://github.com/kyegomez/OpenMythos">https://github.com/kyegomez/OpenMythos</a>	
<b>A little comparison between R and Kap</b>	Lobsters firehose
<a href="https://blog.dhsdevelopments.com/a-little-comparison-between-r-and-kap">https://blog.dhsdevelopments.com/a-little-comparison-between-r-and-kap</a>	
<b>Kubernetes v1.36: Declarative Validation Graduates to GA</b>	Kubernetes blog
<a href="https://kubernetes.io/blog/2026/05/05/kubernetes-v1-36-declarative-validation-ga">https://kubernetes.io/blog/2026/05/05/kubernetes-v1-36-declarative-validation-ga</a>	
<b>Rust is participating in Outreachy</b>	Rust blog
<a href="https://blog.rust-lang.org/2026/05/04/outreachy-2026-may">https://blog.rust-lang.org/2026/05/04/outreachy-2026-may</a>	
<b>Simple Meta-Harness on Islo.dev</b>	Hacker News top
<a href="https://zozo123.github.io/meta-harness-on-islo-page">https://zozo123.github.io/meta-harness-on-islo-page</a>	
<b>Show HN: Orch8 – Durable workflow engine in Rust, one binary, Postgres or SQLite</b>	Hacker News top
<a href="https://github.com/orch8-io/engine">https://github.com/orch8-io/engine</a>	
<b>Behavior-Oriented Concurrency for Python: Lock-less, Deadlock-free, Ownership-based</b>	Lobsters
<a href="https://microsoft.github.io/bocpy">https://microsoft.github.io/bocpy</a>	
<b>llm-echo 0.5a0</b>	Simon Willison
<a href="https://simonwillison.net/2026/May/5/llm-echo">https://simonwillison.net/2026/May/5/llm-echo</a>	
<b>Our AI started a cafe in Stockholm</b>	Simon Willison
<a href="https://simonwillison.net/2026/May/5/our-ai-started-a-cafe-in-stockholm">https://simonwillison.net/2026/May/5/our-ai-started-a-cafe-in-stockholm</a>	
<b>datasette-llm 0.1a7</b>	Simon Willison
<a href="https://simonwillison.net/2026/May/5/datasette-llm">https://simonwillison.net/2026/May/5/datasette-llm</a>	
<b>Alpine Linux systems currently offline</b>	LWN
<a href="https://lwn.net/Articles/1071176">https://lwn.net/Articles/1071176</a>	
<b>Fragments: May 5</b>	Martin Fowler
<a href="https://martinfowler.com/fragments/2026-05-05.html">https://martinfowler.com/fragments/2026-05-05.html</a>	
<b>A Caddy Cert Expired Because systemd-resolved Was Selectively Broken</b>	Lobsters
<a href="https://rant.mvh.dev/a-caddy-cert-expired-because-systemd-resolved-was-selectively-broken">https://rant.mvh.dev/a-caddy-cert-expired-because-systemd-resolved-was-selectively-broken</a>	
<b>claude code is not making your product better</b>	Lobsters
<a href="https://ethanding.substack.com/p/claude-code-is-not-making-your-product">https://ethanding.substack.com/p/claude-code-is-not-making-your-product</a>	
<b>Podman rootless containers and the Copy Fail exploit</b>	Lobsters
<a href="https://garrido.io/notes/podman-rootless-containers-copy-fail">https://garrido.io/notes/podman-rootless-containers-copy-fail</a>	