



TreScout

FRESH ONLY · DAILY TECHNOLOGY REPORT

Today's New Trends

July 18, 2026 (Saturday)

A FEW SIPS

This report includes the trends that stood out today for the first time, without repeating what we have shared in recent days.

10 HIGHLIGHTS · ~15 MIN READ

5 GitHub Trending

5 Hacker News

01 anthropics/cwc-workshops

These workshops shared by Anthropic show developers in practice the processes of creating artificial intelligence agents capable of computer use. TypeScript-based examples include technical frameworks that allow models to manage complex tasks by interacting with on-screen interfaces.

TypeScript · ★ 1,632 · +45 today <https://github.com/anthropics/cwc-workshops>

02 protocolbuffers/protobuf

Developed by Google, protocol buffers are a language-independent data interchange format used to serialize structured data. This mechanism provides efficient and fast binary data transfer in inter-system communication.

C++ · ★ 71,559 · +11 today <https://github.com/protocolbuffers/protobuf>

03 tirth8205/code-review-graph

Code-review-graph analyzes the code base and creates a locally focused code intelligence map for artificial intelligence tools. This structure makes artificial intelligence-supported code review processes more efficient by using context reduction methods in large projects.

Python · ★ 19,852 · +74 today <https://github.com/tirth8205/code-review-graph>

04 docusealco/docuseal

DocuSeal offers an open source alternative for creating, filling and signing digital documents. This platform, developed with Ruby language, provides a solution for users who want to manage electronic signature (e-signature) processes in their own infrastructure.

Ruby · ★ 17,916 · +91 today <https://github.com/docusealco/docuseal>

05 RyanCodrai/turbovec back in the spotlight

Developed with the TurboQuant infrastructure, Turbovec offers a high-performance vector index written in Rust language. Thanks to Python bindings, it provides fast searching and indexing in data processing processes.

Python · ★ 13,393 · +280 today <https://github.com/RyanCodrai/turbovec>

01 AWS: Inaccurate Estimated Billing Data – \$1.7 billion

Amazon Web Services (AWS) users encounter inaccurate estimated billing data in their billing panels, reaching unrealistic and billion-dollar amounts. The cloud service provider continues its efforts to resolve the problem by issuing a technical glitch notification regarding this data error in its systems.

1,120 points · 663 comments <https://news.ycombinator.com/item?id=48945241>

02 Thanks HN for 15 years of support and helping me find my life's work

Recurse Center, an educational community for software developers, is celebrating its fifteenth anniversary. Entrepreneurs turned their project, which started as a business-oriented platform, into a software-oriented learning center (programming retreat) over time.

482 points · 49 comments <https://news.ycombinator.com/item?id=48949551>

03 Kaiser nurses say AI, workplace surveillance are making their jobs, care worse

Nurses at Kaiser Permanente state that artificial intelligence-supported tools and workplace surveillance systems increase workload and reduce the quality of patient care. Employees state that algorithmic management processes restrict their clinical decision-making abilities and increase professional stress.

432 points · 283 comments <https://localnewsmatters.org/2026/07/15/kaiser-nurses-say-ai-workplace-surveillance-a-re-making-their-jobs-and-patient-care-worse/>

04 First atmosphere found on Earth-like planet in habitable zone of distant star

For the first time, astronomers have found traces of atmosphere around an Earth-like exoplanet located in the habitable zone. This finding at planet 55 Cancri e offers a new method for studying the atmospheric structures of rocky worlds.

415 points · 251 comments <https://www.bbc.com/news/articles/cy4kddle0ejo>

05 The state of open source AI

The open source AI ecosystem continues to expand with the availability of model weights and diversification of developer tools. The report analyzes the adoption rates of transparent models in the technology sector and the impact of community-driven innovation on industry standards.

406 points · 296 comments <https://stateofopensource.ai/>

computer use

Artificial intelligence can manage operations on the computer screen by moving the mouse and using the keyboard, just like a human.

protocol buffers

A data transportation method used by different software to send data to each other, which packages the information very quickly and in small sizes.

binary

The most basic machine language, consisting only of zeros and ones, that the computer's processor directly understands.

code intelligence graph

A detailed map showing the relationships of all files and commands in a software project.

context reduction

The process of summarizing the huge information given to artificial intelligence by purifying it from unnecessary parts so that the model works faster and more accurately.

e-signature

An electronic confirmation method with identity verification feature that allows digital documents to be legally signed.

vector index

A special search index that allows artificial intelligence to find the information you are looking for very quickly by converting complex data into numerical values.

bindings

Bridges are established so that libraries written in one programming language can be used in another language.
