



TreScout

DAILY TECHNOLOGY REPORT

Today's Technology Trends

September 16, 2026 (Wednesday)

A FEW SIPS

Today, technical developments in open-source code review tools and large language models are coming to the fore in the software world. In particular, new versions of models like DeepSeek and Edge0 show that you are focusing on system architectures that use hardware resources more efficiently.

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01 alibaba/open-code-review

Open Code Review, an open-source code review tool developed by Alibaba, uses a hybrid architecture that combines deterministic pipelines and generative AI agents. This system, which detects security vulnerabilities and bugs in the software development process with line-by-line comments, works compatibly with popular language models (OpenAI, Anthropic).

Go · ★ 29,852 · +2,756 today <https://github.com/alibaba/open-code-review>

02 JustVugg/colibri

Colibri is an inference engine written in the C language that allows Mixture of Experts models to be run on local devices with low hardware requirements. By loading model weights via disk streaming, it makes AI models that require high memory available for use on standard computers.

C · ★ 34,395 · +2,026 today <https://github.com/JustVugg/colibri>

03 ever-co/ever-gauzy

Ever Gauzy is an open-source management platform that brings together core business processes such as enterprise resource planning (ERP), customer relationship management (CRM), and human resources under one roof. Developed with the TypeScript language, this software allows businesses to manage their operational needs through a centralized system.

TypeScript · ★ 6,970 · +634 today <https://github.com/ever-co/ever-gauzy>

04 debpalash/VoiceStudio

VoiceStudio is an open-source audio processing tool that performs operations such as voice cloning, sound design, and video dubbing without an internet connection. It offers a local alternative to the paid voice synthesis service ElevenLabs, providing the ability to perform dictation, transcription, and audiobook creation in 646 different languages.

Python · ★ 31,544 · +2,072 today <https://github.com/debpalash/VoiceStudio>

05 Homebrew/BrewUI

Homebrew is a command-line tool used to manage software packages on the macOS operating system. BrewUI is the official desktop application that allows you to manage the complex commands of this tool with a graphical user interface (GUI).

Swift · ★ 1,654 · +271 today <https://github.com/Homebrew/BrewUI>

06 melgarafael/DeskcommCRM

DeskcommCRM is an open-source customer relationship management (CRM) platform developed for businesses that sell via chat. With WhatsApp integration and built-in AI agents, it offers a self-hostable alternative to popular sales and communication tools like Kommo or Intercom.

TypeScript · ★ 2,998 · +193 today <https://github.com/melgarafael/DeskcommCRM>

07 **alphaXiv/OpenResearch**

OpenResearch, developed by AlphaXiv, is a framework that transforms software development agents into agents that conduct academic research. Written in Rust, this tool enhances the capabilities of code-centric systems to analyze scientific literature and conduct research processes.

Rust · ★ 3,744 · +531 today <https://github.com/alphaXiv/OpenResearch>

08 **NationalSecurityAgency/ghidra**

Ghidra, developed by the National Security Agency (NSA), is a comprehensive analysis tool used for software reverse engineering operations. This Java-based platform offers visualization and debugging features that help understand the structure and operation of code by analyzing binary files.

Java · ★ 77,152 · +725 today <https://github.com/NationalSecurityAgency/ghidra>

09 **danny-avila/LibreChat**

LibreChat is an open-source chat platform that combines different AI models and tools in a single interface. This software, which users can host on their own servers, offers a personalized AI experience with features such as model switching and multi-user authentication.

TypeScript · ★ 44,017 · +254 today <https://github.com/danny-avila/LibreChat>

10 **pacifio/atlas**

Atlas offers a centralized version control system for coding agents used in software development processes. It allows for tracking and querying code changes made by different agents at a single point.

Rust · ★ 4,759 · +91 today <https://github.com/pacifio/atlas>

11 **MG1937/ASC**

ASC is a very fast Android decompiler interface developed for mobile application researchers and AI agents. Written in Python, this tool aims to speed up the process of analyzing complex application files.

Python · ★ 1,336 · +129 today <https://github.com/MG1937/ASC>

12 **addyoosmani/agent-skills**

agent-skills, developed by Addy Osmani, offers production-level engineering skills for AI coding agents. This JavaScript-based library aims to standardize the capabilities used in autonomous software development processes.

JavaScript · ★ 95,051 · +307 today <https://github.com/addyoosmani/agent-skills>

13 **tonhowtf/omniget**

Omniget is an open-source desktop application that allows downloading videos, music, and books from over 1,800 platforms. Incorporating content player and reader features, the software uses the yt-dlp media downloader infrastructure to store files directly on your computer.

Rust · ★ 13,291 · +258 today <https://github.com/tonhowtf/omniget>

14 earendil-works/pi

Pi is an AI agent toolkit that provides a unified interface for large language models and automates software development processes. It facilitates coding tasks by managing agent loops via a terminal-based user interface (TUI) and a command-line interface (CLI).

TypeScript · ★ 106,054 · +458 today <https://github.com/earendil-works/pi>

01 Show HN: An e-ink frame that hears birds and draws them as 1800s illustrations

Fugleramme is a frame project that detects surrounding bird sounds with a microphone, converts them into 19th-century style illustrations, and displays them on an e-ink screen. The device combines real-time audio analysis with visual generation to offer a digital nature observation experience.

1,622 points · 202 comments <https://github.com/arnegiacomo/fugleramme>

Discussion: news.ycombinator.com/item?id=49711544 (1,622 points · 202 comments)

02 Introducing System One Models and Jev

System One models, introduced by Typesafe, offer a new AI architecture designed to manage complex logical reasoning processes. These models work in conjunction with a runtime called Jev to make tasks such as debugging and system auditing more reliable in software development processes.

1,344 points · 388 comments <https://typesafe.ai/blog/introducing-system-one-models-and-jev>

Discussion: news.ycombinator.com/item?id=49717558 (1,344 points · 388 comments)

03 An update on Wayback Machine access

The internet archiving service Internet Archive has shared updates regarding the Wayback Machine platform, which has been experiencing access issues due to cyberattacks and legal processes. The service aims to make access to past web pages stable again by strengthening its technical infrastructure.

519 points · 265 comments <https://blog.archive.org/2026/09/15/an-update-on-wayback-machine-access/>

Discussion: news.ycombinator.com/item?id=49716176 (519 points · 265 comments)

04 Suspected sabotage causes major Netherlands rail disruption

Large-scale disruptions in the Dutch railway network are believed to be caused by sabotage, according to investigations. This interference, which targeted the transportation system across the country, brings the issue of critical infrastructure security back to the agenda.

484 points · 426 comments <https://www.bbc.com/news/articles/c8ly49w9gledo>

Discussion: news.ycombinator.com/item?id=49710253 (484 points · 426 comments)

05 Gemini 3.8 Live and 3.8 Live Extended Thinking

Google has announced new AI models, Gemini 3.8 Live and Gemini 3.8 Live Extended Thinking, focused on real-time interaction and in-depth reasoning. These models aim to produce more consistent and logical responses by using extended thinking capabilities to solve complex problems.

401 points · 264 comments <https://blog.google/innovation-and-ai/models-and-research/gemini-models/gemini-3-8-live-gemini-3-8-live-extended-thinking/>

Discussion: news.ycombinator.com/item?id=49715947 (401 points · 264 comments)

01 deepseek-ai/DeepSeek-V4.1-Flash

DeepSeek-V4.1-Flash is a multimodal AI model capable of processing visual and text data. Shared on Hugging Face, this model offers the ability to analyze complex images and generate text-based outputs.

♥ 2,758 · 325,712 downloads <https://huggingface.co/deepseek-ai/DeepSeek-V4.1-Flash>

02 Edge0/Edge0-35B-A3B-preview

Edge0-35B-A3B-preview, released on Hugging Face, is a new language model focused on text generation. With a capacity of 35 billion parameters, the model aims to perform well in complex text creation tasks.

♥ 2,974 · 17,853 downloads <https://huggingface.co/Edge0/Edge0-35B-A3B-preview>

03 openbmb/MiniCPM5-2B

MiniCPM5-2B, developed by OpenBMB, is a text-generation model that runs with low hardware requirements. It aims to provide high-performance language processing capabilities on devices with limited computational resources.

♥ 1,482 · 271,754 downloads <https://huggingface.co/openbmb/MiniCPM5-2B>

04 Qwen/Qwen3.8-27B

Qwen2.5-27B, developed by Alibaba, is a multimodal large language model capable of processing text and visual data. The model aims to offer high performance in complex reasoning and content analysis tasks.

♥ 15,317 · 7,702,543 downloads <https://huggingface.co/Qwen/Qwen3.8-27B>

05 m-a-p/YuE2-3B

YuE2-3B, shared on Hugging Face, is an artificial intelligence model that performs text-to-audio generation. It has the capability to process input text and convert it into high-quality audio files.

♥ 590 · 6,716 downloads <https://huggingface.co/m-a-p/YuE2-3B>

01 StepAudio 3 Realtime Technical Report

StepAudio 3 Realtime is an audio-language foundation model that combines deep reasoning with low latency in voice interactions. Operating with a listen, speak, think, and act cycle, the system provides a natural dialogue flow thanks to its seamless duplex structure.

28 likes · 1 comments <https://huggingface.co/papers/2609.14005>

02 StepAudio 3 Music Technical Report

StepAudio 3 Music is a large-scale model designed for long-form music generation, operating via text prompts. To maintain musical structure, the system processes audio data using a semantic-based tokenizer structure and utilizes a diffusion Transformer that works with a flow-matching method.

19 likes · 1 comments <https://huggingface.co/papers/2609.16034>

03 Decoy Direction Optimization: A Post-Hoc Defense Against LLM Abliteration

Decoy Direction Optimization is a defense method developed against refusal feature ablation attacks that disable safety constraints in open-weight large language models. This technique aims to protect safety layers by adjusting model weights without the need for high-cost fine-tuning processes.

1 likes · 1 comments <https://huggingface.co/papers/2609.16204>

04 Emergence World: Adversarial Stress-Testing of Long-Horizon Multi-Agent Systems

Emergence World is a multi-agent simulation environment designed to test the safety of autonomous systems working on long-term tasks. The system aims to identify errors that isolated tests cannot detect by monitoring the interaction of AI agents in processes such as memory and tool usage.

0 likes · 0 comments <https://huggingface.co/papers/2609.17320>

05 The Last AI Built by Humans: Toward Genuine Recursive Self-Improvement

The concept of recursive self-improvement, which enables artificial intelligence systems to continuously improve their own capabilities and development processes, aims for systems to evolve without human intervention. This approach seeks to turn AI into a self-improving meta-process through autonomous strategy determination and experience acquisition stages.

83 likes · 2 comments <https://huggingface.co/papers/2609.11873>

01 A/I Shuts Down

The Europe-based digital rights advocate and hosting service Autistici/Inventati has announced that it is ceasing operations due to interventions outside of legal processes. The closure of the platform, which hosted thousands of email accounts, blogs, and websites, has brought the debate on protecting independent digital infrastructure on the internet back to the agenda.

28 points · 9 comments <https://keepitfree.ai/announcements/a/i-shuts-down-stay-human/>

Discussion: lobste.rs/s/wxnibb/i_shuts_down (28 points · 9 comments)

02 GEFS on OpenBSD: A very early preview

GEFS, developed on the OpenBSD operating system, aims to provide a general framework for file systems. This structure allows different types of file systems to be integrated more easily at the kernel level.

72 points · 8 comments <https://marc.info/?l=openbsd-tech&m=178948744271633&w=2>

Discussion: lobste.rs/s/buzdkb/gefs_on_openbsd_very_early_preview (72 points · 8 comments)

03 Small Programming Tricks

In software development processes, small and practical programming tricks rather than major architectural changes increase the sustainability of the system. These methods simplify complex structures, reduce the margin of error, and make the daily workflow of developers more efficient.

37 points · 14 comments <https://will-keleher.com/posts/small-programming-tricks-matter/>

Discussion: lobste.rs/s/f65fy3/small_programming_tricks (37 points · 14 comments)

generative AI

Artificial intelligence technology that can create new text, images, or sounds based on the commands given by the user.

Mixture of Experts

A method that uses small pieces of artificial intelligence, each specialized in different subjects, together to solve complex problems.

ERP

A software system that allows a company to manage all its business processes, such as accounting, inventory, and human resources, from a single center.

CRM

A management tool that allows companies to track their relationships with customers, past interactions, and sales processes.

GUI

An interface that allows you to use computer programs visually through icons, menus, and windows.

framework

A basic framework that allows developers to build applications faster by using ready-made structures instead of writing code from scratch.

NSA

An American intelligence agency that aims to protect national security by monitoring internet traffic and digital communications.

software reverse engineering

The process of analyzing code in reverse to understand how a ready-made program works.

coding agents

Autonomous artificial intelligence tools capable of writing software code or fixing bugs on their own without human intervention.

decompiler

A tool that translates complex machine code understood by computers back into a readable programming language for developers.

engineering skills

The ability to break down complex problems into logical steps and produce the most efficient solution.

large language models

Artificial intelligence models trained on massive amounts of data that can understand human language and generate text.

TUI

A user interface that runs on a terminal screen using text characters and colored boxes instead of graphics.

CLI

A text-based interface that runs programs using written commands instead of a mouse.

e-ink

An eye-friendly display technology that looks like ink on paper and consumes energy only when the image changes.

runtime

The period of time when software is not just installed on a computer, but is actively running at that exact moment.

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