

DAILY BRIEF · WHAT AI ENGINEERS ARE BUILDING

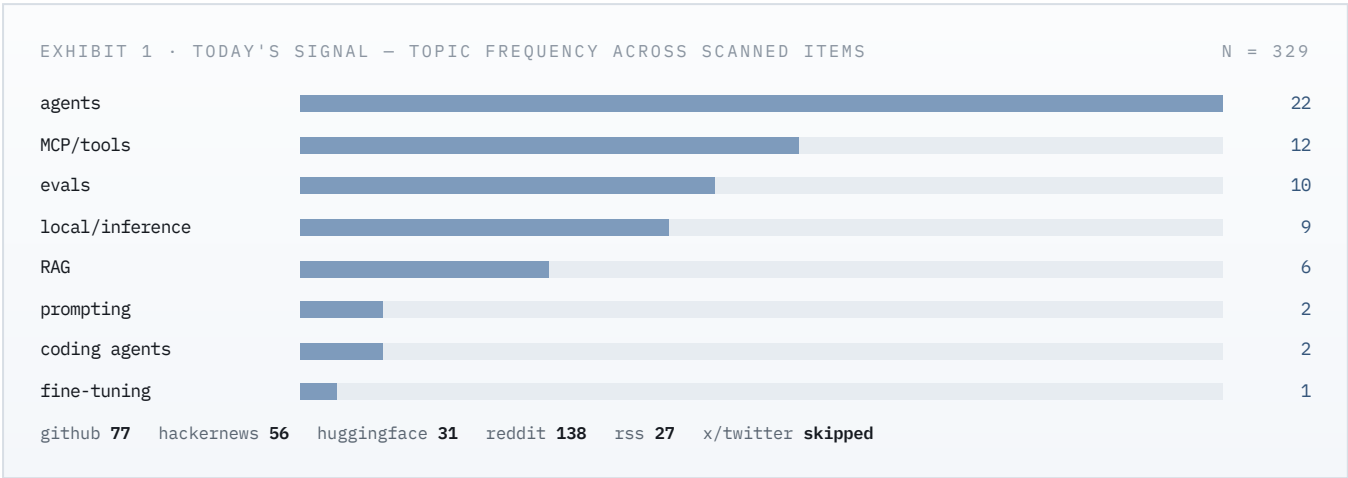
Today in AI engineering

2026-09-17

Daily AI-engineering signal (mechanical fallback — LLM error: 404 Client Error: Not Found for url: <https://api.groq.com/openai/v1/chat/complet>)

5 deep dives 3 builder stories 15 quick hits 329 items scanned mode: **mechanical fallback**

- agents
- mcp/tools
- evals
- local/inference
- rag
- prompting
- coding agents
- fine-tuning



DEEP DIVES

youngyangyang04/llm-master

GitHub

大模型（LLM）全栈学习路线与中文教程🔥：覆盖 Prompt Engineering、RAG、AI Agent、MCP、微调、模型部署、Transformer、AI 编程与大厂面试，从入门到生产实践。

Why it matters. Flagged by the ranking heuristics as a real, artifact-backed build.

TRY THIS

Open the link and skim the repo / paper.

<https://github.com/youngyangyang04/llm-master>

Show HN: I built a router for agent tools

Show HN

(no summary)

Why it matters. Flagged by the ranking heuristics as a real, artifact-backed build.

TRY THIS

Open the link and skim the repo / paper.

<https://github.com/monid-ai/monid>

Edge0/Edge0-35B-A3B-preview

HF model

Trending model on Hugging Face — text-generation, mlx; 3245 likes, 37,131 downloads.

Why it matters. Flagged by the ranking heuristics as a real, artifact-backed build.

TRY THIS

Open the link and skim the repo / paper.

<https://huggingface.co/Edge0/Edge0-35B-A3B-preview>

Show HN: Interakt – open-source self-hosted search and AI chat for your website

Show HN

(no summary)

Why it matters. Flagged by the ranking heuristics as a real, artifact-backed build.

TRY THIS

Open the link and skim the repo / paper.

<https://github.com/alphasolutionsrepo/interakt>

deepseek-ai/DeepSeek-V4.1-Flash

HF model

Trending model on Hugging Face — image-text-to-text, transformers; 2925 likes, 390,657 downloads.

Why it matters. Flagged by the ranking heuristics as a real, artifact-backed build.

TRY THIS

Open the link and skim the repo / paper.

<https://huggingface.co/deepseek-ai/DeepSeek-V4.1-Flash>

WHAT PEOPLE ACTUALLY BUILT

Show HN: Microsoft Comic Chat (1996) for ChatGPT

Show HN

I love good old Microsoft Comic Chat (1996-1998). Since the source is now public and archived, I made a fork and added support for ChatGPT, so that you can have a comic chat with GPT itself. The LLM is instructed to emote using the UI convention.

STEAL THIS

Flagged by keyword heuristics as a first-person build write-up — read the post for the details.

<https://github.com/theletterf/comic-chat-ai/tree/main>

I built an open-source LLM autotuner: 56–97% more throughput than a fixed tuning heuristic across three GPUs

r/LLMDevs

When I was just in vllm slack I saw alot of questions from people where they were asking the config for best performance and what optimziations they can do so I thought of building this project and when I started working on it then I got to know that Picking an engine is only the

STEAL THIS

Flagged by keyword heuristics as a first-person build write-up — read the post for the details.

https://www.reddit.com/r/LLMDevs/comments/1wimib9/i_built_an_opensource_llm_autotuner_5697_more/

I built a native Vulkan training backend for 143 modern Transformer architectures — no CUDA or PyTorch required

[r/LocalLLaMA](#)

I've been working on something that started as the training backend for my Hierarchos architecture, but it has grown into a much broader project: <https://github.com/necat101/Hierarchos-Native> Hierarchos Native now includes a native Rust + Vulkan backend for training and inference

STEAL THIS

Flagged by keyword heuristics as a first-person build write-up — read the post for the details.

https://www.reddit.com/r/LocalLLaMA/comments/1widomo/i_built_a_native_vulkan_training_backend_for_143/

QUICK HITS

Show HN: Kival – A self-hosted knowledge system for organizations SHOW HN

Hi HN, I've been building Kival, an open-source, self-hosted knowledge system for organizations. The idea is a collaborative knowledge space <https://github.com/selemis-com/kival>

Show HN: TurboBench, the Compression Lie Detector, 100 Codecs, Daily Update SHOW HN

TurboBench: The Ultimate Data Compression Benchmark 100+ Codecs. The Powerhouse in a Single Executable — The Compression Lie Detector Tired <https://github.com/powturbo/TurboBench/blob/master/benchmark.md>

AetherLabsAI/RSIAgent GITHUB

A training-free multi-agent framework for recursive self-improvement in new environments through broad-then-deep autonomous exploration and <https://github.com/AetherLabsAI/RSIAgent>

Show HN: YOLO FPS-per-dollar numbers for edge AI boards (\$75-\$215) SHOW HN

<https://github.com/choylyee/edge-ai-benchmarks>

modelscope/ms-cookbook GITHUB

魔搭紫皮书 | ModelScope Cookbook : 面向开发者的开源模型应用实战指南，覆盖模型选型、推理、微调、评测、RAG、Agent 与 AIGC，从跑通第一个模型到构建实际应用。 <https://github.com/modelscope/ms-cookbook>

panda-sandeep/dearagent GITHUB

Email inbox API for AI agents, self-hosted on Cloudflare Workers. Open source, with an MCP server. AgentMail alternative. <https://github.com/panda-sandeep/dearagent>

Show HN: Put an AI agent on a FaceTime audio/video call (open source, WebRTC) SHOW HN

Hey everyone, Gary here from Chert (YC P26). We just open-sourced a framework for putting AI agents on FaceTime audio/video calls: <https://github.com/cherthq/chert-facetime-opensource>

Show HN: Friday – Self-hosted persistent memory for AI coding agents (MCP) SHOW HN

<https://github.com/itskie/friday>

NativePHP/superstack GITHUB

Open-source Laravel starter with Filament, NativePHP SuperNative, and MCP <https://github.com/NativePHP/superstack>

Breaking the 1.58-bit Barrier for Ternary LLMs HN

<https://arxiv.org/abs/2609.16338>

Qwen/Qwen3.8-27B HF MODEL

Trending model on Hugging Face — image-text-to-text, transformers; 15464 likes, 7,456,257 downloads. <https://huggingface.co/Qwen/Qwen3.8-27B>

m-a-p/YuE2-3B HF MODEL

Trending model on Hugging Face — text-to-audio; 682 likes, 11,626 downloads.

<https://huggingface.co/m-a-p/YuE2-3B>

PS5 Linux lead quits: "a bunch of noobs using LLMs" that "they don't understand" HN

<https://firvr.com/blog/news/ps5-linux-lead-quits-as-open-source-projects-have-become-a-bunch-of-noobs-using-llms-that-they-dont-even-understand/>

openbmb/MiniCPM5-2B HF MODEL

Trending model on Hugging Face — text-generation, transformers; 1528 likes, 329,713 downloads.

<https://huggingface.co/openbmb/MiniCPM5-2B>

Tokha233/deepseek-v4.1-flash-a100-turbo GITHUB

DeepSeek-V4.1-Flash inference on NVIDIA Ampere with vLLM, SM80 patches, reproducible throughput and coding-agent benchmarks. Tested on 8x A8

<https://github.com/Tokha233/deepseek-v4.1-flash-a100-turbo>

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