

DAILY BRIEF · WHAT AI ENGINEERS ARE BUILDING

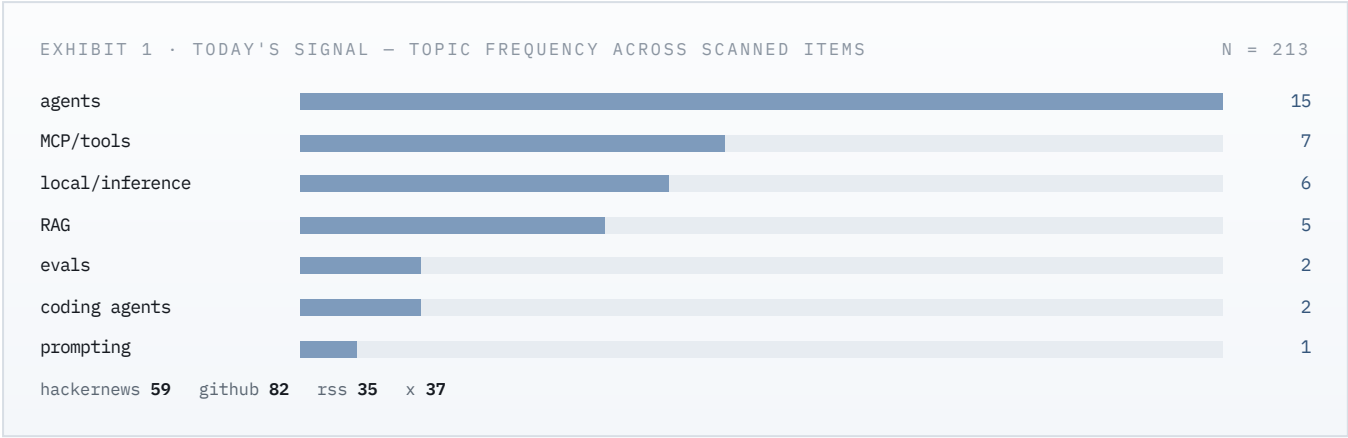
Today in AI engineering

2026-07-16

Developers release new open-source tools for AI coding, web scraping, and database development

5 deep dives 10 quick hits 213 items scanned

ai coding agents web scraping database development llm tooling rag



DEEP DIVES

misa77 - a codec that decodes 2x faster than LZ4

hackernews

A developer has created a new codec called misa77 that decodes 2x faster than LZ4. The codec has been designed to reduce branches and make decompression very friendly to out-of-order cores. The developer has shared the results of testing the codec on the tarred Silesia corpus.

Why it matters. The misa77 codec has the potential to improve the performance of applications that rely on compression and decompression. Its ability to decode 2x faster than LZ4 makes it an attractive option for developers looking to optimize their code.

TRY THIS

Test the misa77 codec with your own data to see how it performs compared to LZ4.

<https://github.com/welcome-to-the-sunny-side/misa77>

compression codec performance

clodex-ide

github

A developer has created a new IDE called clodex-ide that is designed for verifiable autonomous software development. The IDE is local-first and zero-trust, and it uses a novel approach to ensure the integrity of the code.

Why it matters. The clodex-ide has the potential to improve the security and reliability of software development. Its focus on verifiability and autonomy makes it an attractive option for developers working on critical systems.

TRY THIS

Explore the clodex-ide repository and try out its features to see how it can improve your development workflow.

<https://github.com/mereyabdenbekuly-ctrl/clodex-ide>

ide

autonomous development

verifiability

deja-vu

hackernews

A developer has created a new open-source memory for coding agents that can be synced over SSH. The memory is designed to be used with agents that need to access and share information.

Why it matters. The deja-vu memory has the potential to improve the collaboration and knowledge-sharing capabilities of coding agents. Its ability to be synced over SSH makes it a convenient option for developers working on distributed systems.

TRY THIS

Try using the deja-vu memory with your own coding agents to see how it can improve their performance and collaboration.

<https://github.com/vshulcz/deja-vu/>

coding agents

memory

ssh

circuit-framework

github

A developer has created a new framework called circuit-framework that is designed for multi-agent LLM trading research. The framework provides a set of tools and libraries for building and testing trading strategies.

Why it matters. The circuit-framework has the potential to improve the performance and accuracy of trading strategies. Its focus on multi-agent systems and LLMs makes it an attractive option for developers working on financial applications.

TRY THIS

Explore the circuit-framework repository and try out its features to see how it can improve your trading strategy development.

<https://github.com/PengZhang64/circuit-framework>

trading

llm

multi-agent systems

pawl

github

A developer has created a new framework called pawl that is designed for registry-as-ground-truth verification and autonomous research. The framework provides a set of tools and libraries for building and testing autonomous systems.

Why it matters. The pawl framework has the potential to improve the reliability and trustworthiness of autonomous systems. Its focus on registry-as-ground-truth verification makes it an attractive option for developers working on critical applications.

TRY THIS

Explore the pawl repository and try out its features to see how it can improve your autonomous system development.

<https://github.com/agentive-commerce-lab/pawl>

autonomous systems

verification

registry-as-ground-truth

Show HN: Painterly – Turn pictures into digital paintings without generative AI HACKERNEWS

A new application that turns pictures into digital paintings without using generative AI.
<https://github.com/jbunke/painterly>

Show HN: Open-source AI app builder you can embed into your own SaaS HACKERNEWS

A new open-source AI app builder that can be embedded into SaaS applications.
<https://github.com/totalumlabs/ai-app-builder-open>

Leaves – A text-UI disk usage treemap visualizer HACKERNEWS

A new text-UI disk usage treemap visualizer that provides a simple way to visualize disk usage.
<https://github.com/patonw/leaves>

Nous – give GTM agents one context graph across your tools HACKERNEWS

A new platform that provides a context graph for GTM agents across multiple tools.
<https://github.com/NousC/opennous>

Forall – An AI coding agent that generates machine-checkable proofs HACKERNEWS

A new AI coding agent that generates machine-checkable proofs for improved code reliability.
<https://github.com/astrio-labs/forall>

jonex GITHUB

A new all-in-one multimodal parsing engine and ontology-powered AI-ready knowledge engine.
<https://github.com/YZGlobal/jonex>

generative-media-skills GITHUB

A new repository of research-backed agent skills and tools for premium image, video, audio, voice, and generative media production.
<https://github.com/calesthio/generative-media-skills>

Local Search Agent – RAG replacement, no embeddings, free tier HACKERNEWS

A new local search agent that replaces RAG and provides a free tier for developers.
<https://github.com/wiss84/local-search-agent>

Gozar GITHUB

A new self-hosted, Docker-first OpenAI-compatible LLM gateway with provider routing, fallbacks, API keys, and usage controls.
<https://github.com/sina2266/Gozar>

LLMVault GITHUB

A new intentionally vulnerable OWASP LLM Top 10 training platform for AI Security, Prompt Injection, RAG Security, Agent Security, and GenAI penetration testing.
<https://github.com/CyberSunil/LLMVault>