



SYNAPTIX

DELIVERING REAL BUSINESS IMPACT WITH GENAI

6 things every *CTO* needs to fix before AI debt piles up

Swipe through to see what the engineering teams who caught this early are doing differently.



Are you tracking how much of your codebase is **'AI slop'** turning into **technical debt**?

Engineers call rushed, low-quality AI-generated code "AI slop." GitClear analysed 211 million lines of code and found this kind of code gets rewritten or reverted within two weeks twice as often as before AI coding tools were common, while genuine refactoring dropped 60% over the same period. That's technical debt building up faster than most teams are tracking it.



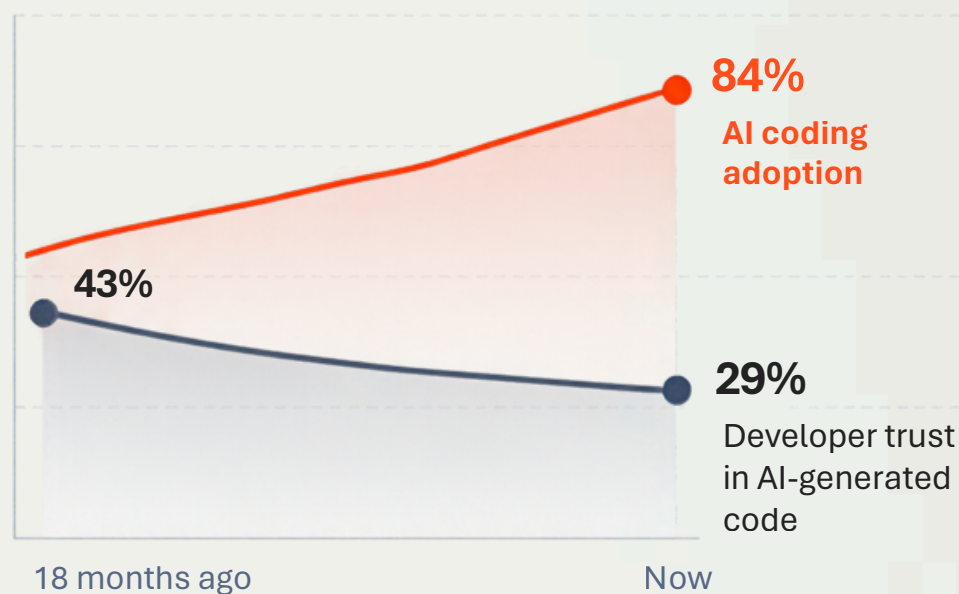


SYNAPTYX

DELIVERING REAL BUSINESS IMPACT WITH GENAI

Trust in **AI code** just hit a new low, even as it writes majority of your code

Sonar's 2026 State of Code survey found developer trust in AI-generated code fell from 43% to 29% in eighteen months, even as adoption climbed to 84%. That mismatch, more AI-written code, less trust in it, is exactly how technical debt builds up faster than a review process built for a handful of AI-assisted lines can catch.



↓ 43% → 29%

developer trust in
AI-generated code

↑ 84%

AI coding adoption



More AI-written code. Less trust in it.
That gap is where technical debt grows.



Most of your **AI code** passes review without anyone catching it.

A study of more than 300,000 AI-authored commits across 6,275 repositories found this debt passes code review and builds up in production, mostly because almost no team has a way to track it.



If you can't track it, review won't catch it.
That is how AI-written technical debt quietly reaches production.



The code your **AI** writes could already be enabling backdoor entry for **hackers**.

Academic and OWASP research consistently finds 30 to 40% of AI-generated code snippets contain at least one exploitable security flaw. Standard QA built around human-written code often misses exactly this category.





SYNAPTIX

DELIVERING REAL BUSINESS IMPACT WITH GENAI

Most companies build their own AI before proving if the idea works and has the **correct guardrails** or is doing what it needs to well.

Forrester's 2025 AI predictions found most companies building advanced agentic AI architecture in-house fail, usually because they skip the validation step a managed platform would have given them for free.



Higher risk.
More effort.



Validate faster.
Lower risk.





SYNAPTIX

DELIVERING REAL BUSINESS IMPACT WITH GENAI

Solve the **talent gap** before you solve the **infrastructure one**.

Deloitte's inaugural AI Infrastructure Survey found talent gaps sit alongside regulatory pressure as one of the top reasons enterprise AI plans stall, ahead of the technology itself. More infrastructure doesn't fix a gap in who can run it.



TALENT



THE GAP
THAT STALLS
AI PLANS



INFRASTRUCTURE

Source: Deloitte, AI Infrastructure Survey, via TechTarget → techtarget.com/it-strategy/feature/Build-vs-buy-AI-A-CIOs-decision-matrix



Which of these six is your business missing right now?

Tell us the number below. We read every one.

corp@synaptyx.ai

