



Germany: Survey reveals AI use grows among engineering teams

How do engineers use AI?

Our latest survey captured the attitudes and behaviors of 2,000 respondents in Germany, the United States, India, and Brazil who work at organizations with 1,000 or more employees.

Five hundred of those respondents were located in Germany, and we highlight their responses to key questions below. To view the data collected from respondents across all four countries and a thorough analysis of the information we gathered, [read the full report](#).

97%

HAVE TRIED AI CODING TOOLS AT WORK.

61%

EXPECT AI CODING TOOLS WILL ENHANCE THEIR ABILITY TO MEET CUSTOMER REQUIREMENTS.

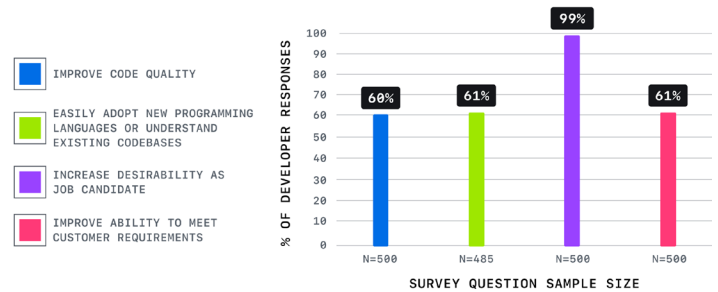
99%

EXPECT AI CODING TOOLS TO IMPROVE SECURITY.

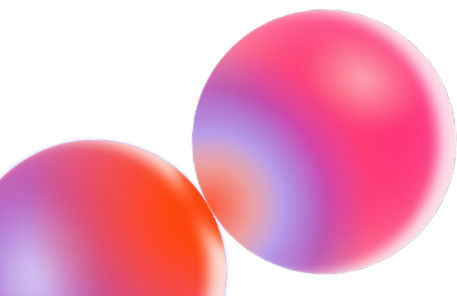
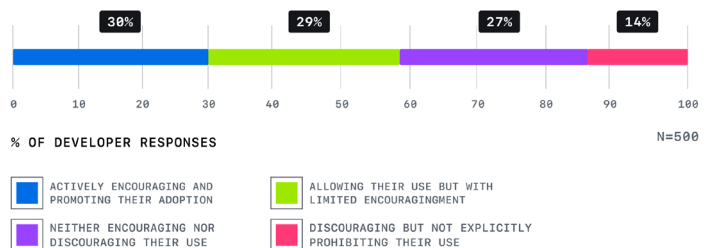
Respondents recognize the benefits and company openness to adopting AI

In Germany, 97% of the survey respondents reported having tried AI coding tools at work. Moreover, 29% said their companies allow the use of AI and 30% said their companies actively encourage the use of AI. Over the last five years, the European Union has been putting forward several frameworks and laws to regulate large tech companies and generative AI. While engineering teams in Germany hold more conservative views around the value of AI compared to other respondents, they're still highly optimistic about its benefits, especially to stay competitive in the job market. Organizational leaders in Germany can better position the strategic use of AI coding tools among their teams by understanding the benefits of AI.

Benefits reported around the use of AI coding tools



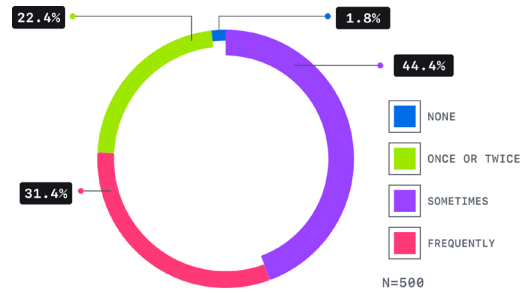
Companies approach to AI coding usage, as perceived by respondents



Security workforce shortage raises the value of AI and automation to augment expertise

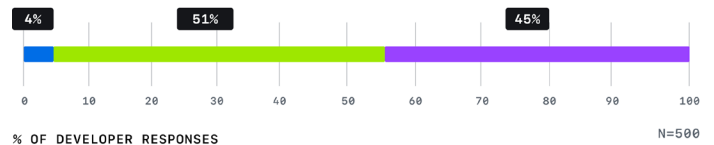
Over 75% of survey respondents in Germany report using AI coding tools to generate test cases, signaling that AI's impact in security isn't theoretical—it's already here. Moreover, 100% of respondents report automating security reviews to some extent, and 99% expect AI coding tools to improve software security. Despite providing the largest market for cybersecurity professionals, Germany saw a decline in its cybersecurity workforce from 2022 to 2023.¹ At a time when security professionals are in short supply, organizations need to augment security expertise with developer tools, training, and practices that leverage AI.

Reported use of AI coding tools to generate test cases



Automation of security reviews as part of workflow and CI processes

ASKED AMONG THOSE WHO HAVE A SECURITY REVIEW PROCESS IN PLACE



- MINIMAL AUTOMATION FOR SPECIFIC ASPECTS
- MODERATELY AUTOMATED SECURITY REVIEWS ACROSS VARIOUS POINTS IN WORKFLOW
- EXTENSIVE USE OF AUTOMATION TOOLS FOR SECURITY REVIEWS THROUGH DEVELOPMENT PROCESSES

¹ISC2 Cybersecurity Workforce Study: Looking Deeper into the Workforce Gap." Cybersecurity Certifications and Continuing Education, 2023. <https://www.isc2.org/Insights/2023/11/ISC2-Cybersecurity-Workforce-Study-Looking-Deeper-into-the-Workforce-Gap>.

Meet GitHub

GitHub is an AI-powered developer platform that empowers organizations to build, secure, and ship software faster to unlock innovation at scale. Our comprehensive platform integrates enterprise-grade tools, such as CI/CD, automation, application security testing, cloud development environments, collaboration tools, and AI-powered coding tools.



We consider GitHub to be the most effective lever in providing our development teams with reliable and cutting-edge one-stop services. This is the sustainable foundation for our software development efforts to prioritize building effective and innovative features that enable our customers to focus on their customers on a person-to-person basis.

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