

Research Report: Changes in software development and future outlook with new AI agents. Will Software engineers exist in the future?

Executive Summary

This is a mock research response. The topic appears to be about Research Query: Changes in software devel...

Sources

Will AI Agents Upend The Software Development Life Cycle? - Forbes

URL: <https://www.forbes.com/sites/moorinsights/2025/06/10/will-ai-agents-upend-the-software-development-life-cycle/>

A significant step up from chat-based code assistants, agentic software tools have been positioned as a revolutionary change in the software development life cycle.

AI and the future of software engineering: 2025 and beyond

URL: <https://techpilot.ai/ai-and-the-future-of-software-engineering-2025/>

Software engineers who embrace change, strategically reskill, and leverage AI's capabilities will find themselves thriving in this evolving landscape. By adapting to new roles, exploring opportunities in AI and related fields, and guiding its responsible development, they will remain essential to the industry's future.

2025 Outlook: How AI Agents May Reshape Software Development

URL: <https://dev.to/aiagentstore/2025-outlook-how-ai-agents-may-reshape-software-development-3ac0>

The rapid evolution of AI coding assistants in 2024 points to significant changes ahead for software development. Based on current trends and technological trajectories, here's how AI agents may transform development practices by 2025. Autonomous Project Generation GPT Pilot, currently handling basic application generation, signals a shift toward more comprehensive project automation. By 2025 ...

How AI Agents Are Changing Software Development in 2025

URL: <https://aiagentpicks.com/blog/how-ai-agents-are-changing-software-development-in-2025/>

In 2025, AI software development agents are more powerful than ever. They don't just assist developers with small tasks—they're writing full applications, fixing bugs, and optimizing performance in ways that even experienced engineers find impressive.

How AI Is Reshaping Software Engineering: Key Takeaways From ...

URL: <https://thenewstack.io/how-ai-is-reshaping-software-engineering-key-takeaways-from-developerweek-2025/>

The future belongs to engineering leaders who embrace AI — not just as a tool, but as a fundamental shift in how teams work and build software.

AI, Software Development, and the Future of Engineers. What's Next?

URL: <https://www.jalasoft.com/blog/ai-software-development>

How is AI changing software engineering? Explore the future of coding with insights from Jalasoft's AI software development experts.

How AI Will Impact Software Development in 2025 and Beyond

URL:

<https://www.dice.com/career-advice/how-ai-will-impact-software-development-in-2025-and-beyond>

What three changes do you see AI having for engineers and developers before the end of 2025? The next year promises to be a big one for AI. Though none of the tech pros we spoke with see world-shattering changes in the near term, AI is expected to prove its mettle in 2025. "By 2025, AI will reshape the role of developers in ways that blend creativity with efficiency," notes Charlie Clark ...

AI and Software Development 2025 - baytechconsulting.com

URL: <https://www.baytechconsulting.com/blog/ai-and-software-development-2025>

Successfully integrating AI into software development requires more than just adopting new tools; it demands strategic planning, robust processes, effective change management, and strong governance.

How AI Agents Are Transforming Software Engineering and the Future of ...

URL: <https://ieeexplore.ieee.org/document/10970187>

Artificial Intelligence (AI) agents are revolutionizing software engineering, boosting productivity while creating new demands for skilled engineers and raising critical ethical challenges.

AI Agents and the Future of Software Engineering

URL: <https://content.clearpoint.digital/unlock/ai-agents-and-the-future-of-software-engineering>

They see particular opportunity for New Zealand to overcome scale limitations through AI, and stress that leadership must enable rather than block adoption. Looking ahead, they explore the implications of "Phase 4" where agents lead agents - a future that raises important questions about the speed of change and its societal impact.

The Future of Software Development: Predictions for 2025 and Beyond

URL: <https://sprigstack.com/blog/the-future-of-software-development-predictions-for-2025-and-beyond>

As one of the most progressive fields in the IT industry, software development witnesses evolving trends that shape the future of technology and the way we interact with the digital world. Automation, cloud computing, and AI are just a few of the several drivers streamlining software development.

The Future of Software Engineering by 2050s: Will AI Replace Software ...

URL: https://www.researchgate.net/publication/330185339_The_Future_of_Software_Engineering_by_2050s_Will_AI_Replace_Software_Engineers

Researcher Lubna Mahmoud Abu Zohair from The British University in Dubai focuses on a topic with concern that whether AI can replace software engineers in near future [10]. The author conducted a ...

Top 10 Best AI Software Development Agents in 2025

URL: <https://flatlogic.com/blog/top-10-best-ai-software-development-agents/>

The future of AI in software development - and whether it's replacing or enhancing human engineers. Let's dive in. What are AI Software Development Agents? AI software development agents are advanced AI-powered systems designed to autonomously generate, modify, debug, and deploy software with minimal human

The Future of Software Engineering in an AI-Driven World

URL: https://www.researchgate.net/publication/381373265_The_Future_of_Software_Engineering_in_an_AI-Driven_World

A paradigm shift is underway in Software Engineering, with AI systems such as LLMs gaining increasing importance for improving software development productivity. This trend is anticipated to persist.

The Future of Software Engineering in 2025: Trends, Challenges, and ...

URL: <https://dev.to/asifnaqvi5/the-future-of-software-engineering-in-2025-trends-challenges-and-opportunities-5186>

AI-Driven Software Development; Artificial intelligence ... In the near future, AI systems will assist in optimizing algorithms, suggesting architectural improvements, and even writing entire code blocks autonomously. ... Software engineers will begin integrating quantum computing into classical systems,

creating hybrid applications that can ...

The Future of Software Development: Trends to Watch in 2024 ... - Medium

URL: <https://elicon.medium.com/the-future-of-software-development-trends-to-watch-in-2023-and-beyond-13c4e357834b>

As we step into the future, the landscape of software development is poised for remarkable changes. The trends we've explored in this blog post - artificial intelligence, low-code development, blockchain integration, progressive web apps, extended reality applications, quantum computing, and DevOps - will shape the industry in 2024 and beyond.

Future of Software Engineering - What to Expect by 2030?

URL: <https://www.theiotacademy.co/blog/future-of-software-engineering/>

As we look to the software engineer's future scope, engineers must keep up with new tools, coding languages, and the best ways to work. Staying informed and skilled will help them remain competitive in their jobs. The Role of AI in Software Development: Artificial Intelligence (AI) will change how software is developed. AI tools can help with ...

Stanford HAI

URL:

<https://hai.stanford.edu/news/predictions-ai-2025-collaborative-agents-ai-skepticism-and-new-risks>

Stanford HAI discusses the future of AI, including collaborative agents, AI skepticism, and emerging risks.

The Future of Software Developers in 2024 and Beyond | Clockwise

URL: <https://www.getclockwise.com/blog/future-of-software-engineering>

In order to stay competitive in the job market, software engineers need to develop the right skill set to meet the demands of these new technologies. Artificial intelligence, cloud computing, and IOT are all growing spaces that will create exciting new jobs for software engineers, but the list doesn't end there.

How AI-assisted coding will change software engineering: hard truths

URL: <https://newsletter.pragmaticengineer.com/p/how-ai-will-change-software-engineering>

For more complex software, it's hard to see not needing software engineers taking part in planning, building and maintaining software. And the more GenAI lowers the barrier for non-technical people to create software, the more software there will be to maintain. AI agents: a major promise, but also a big "unknown" for 2025

Citations

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