Video transcript

Generative AI: Making software development accessible for all

Sam is a graphics designer with a passion for technology. She wants to create her personal website and showcase her design portfolio. However, she finds coding intimidating due to its complexity. Like Sam, do you sometimes wish you could create your own profile page or add new functionality to your website if only you knew how to code?

Many people find coding challenging for several reasons. Coding involves learning different languages with unique rules, like Python, Java, and C++. Each has its own syntax and logic. For example, printing “Hello, World!” in Python is simple. But in Java, the same task looks quite different. Quite a jump, isn’t it?

Beyond syntax, coding requires a lot of logical thinking and problem-solving. Debugging errors can feel like finding a needle in a haystack, making it hard for beginners to get started and stay motivated.

But here’s the game-changer: generative AI. This technology can create code based on simple prompts, making coding more accessible than ever.

With tools like IBM watsonx, you can describe what you want in plain English, and the AI generates the code for you. It’s like having a personal coding assistant. Need a basic calculator? Just ask! Want to translate that code into another programming language? No problem. The AI handles that too.

Generative AI doesn’t just write code. It helps you understand it, suggests improvements, and even fixes errors. This means more people can start coding, turning ideas into reality without getting bogged down by complex syntax or endless debugging.

Whether you’re a student, a professional looking to upskill, or just curious about coding, generative AI is opening doors for everyone.