



WILL AI REPLACE ME?

Software Developer

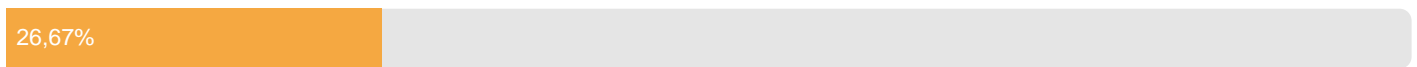
Information Technology, Telecommunications, and Security

The role of an application software developer undoubtedly benefits from advances in AI, especially for automating certain tasks and optimizing processes.

However, the inherent nuances of collaboration, design, and problem-solving make this profession distinctly human, even though it is assisted and enhanced by AI.

Automation degree: 26,67%

Moderate but identified automation impact of AI for this Job



Main tasks

This section reviews the 3 main tasks associated with the job studied and assesses the potential level of automation induced by AI (« **AI Automation Impact** »). The modeling uses 8 criteria detailed on the « **Methodology** » page.

Tasks	AI Automation Impact
Design, code, and test software or applications	Moderate
Collaborate with design teams to meet user needs	Low
Ensure the maintenance and updates of the software or applications developed	Significant

Impact on skills

At-risk Skills ↓

Basic Coding from Specifications	Automation tools, code generators, and high-level development frameworks are making basic coding easier. With the growing adoption of these tools, the need to manually write basic code will be less demanded.
Routine Maintenance and Bug Detection	The rise of automated tools for detecting and resolving bugs and vulnerabilities will make this skill less critical. Intelligent systems will be capable of identifying and suggesting fixes for many common bugs.

Future-proof Skills ↑

Advising and Collaborating with Sponsors	The ability to understand user needs, propose suitable technical solutions, and advise stakeholders will become essential. This skill requires a combination of technical knowledge and interpersonal skills.
In-depth Documentation and Compliance Management	With the increase in regulatory requirements, the ability to document exhaustively while adhering to these regulations will be essential. This involves not only understanding how the system works, but also why certain decisions were made and how they comply with the prevailing regulations.

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