



WILL AI REPLACE ME?

Full-Stack Developer

Information Technology, Telecommunications, and Security

While AI introduces robust automation tools, code generators, and high-level frameworks that reduce demand for basic code writing and offer automated debugging, the role of a Full-stack Developer transcends mere technicality, venturing into understanding and addressing user needs and proposing apt technical solutions.

This hinges on an amalgamation of profound technical knowledge and nuanced interpersonal skills, vital for advising stakeholders and driving strategic technical decision-making. Moreover, amidst the escalating regulatory demands, a developer's ability to scrupulously document, ensuring adherence to compliance, and elucidating system functionality and decision rationale, emerges as paramount.

Therefore, although AI may streamline certain technical aspects, it accentuates the indispensable nature of the human touch in understanding, strategic solutions, and judicious documentation amidst a regulatory landscape in the full-stack development domain

Automation degree: 33.33%

Moderate but identified automation impact of AI for this Job

33.33%



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, develop, and test both the front-end and back-end of an application.	Significant
Collaborate with product teams to meet user needs.	Moderate
Ensure code maintenance and optimization.	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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