



# WILL AI REPLACE ME?

## Big Data Specialist

*Information Technology, Telecommunications, and Security*

The role of a Big Data Expert is crucial for structuring and analyzing vast datasets. While AI can automate some aspects of analysis, designing data architectures and collaborating with business teams require specific and nuanced expertise.

Therefore, despite the presence of AI tools, the potential for automation in this profession remains moderate.

Automation degree: 20%

Limited impact of AI on the Job



20%

## 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 and implement data architectures.	Moderate
Analyze large volumes of data to extract insights.	Significant
Collaborate with business teams to meet their data needs.	Low

## Impact on skills

### At-risk Skills ↓

Deploy a deep learning model	With the rise of automated machine learning (AutoML) platforms, the initial deployment of deep learning models becomes more accessible and less dependent on human expertise.
Identify how the organization ensures data storage and formatting	The automation of storage systems and anomaly detection systems will make this task easier in the future.

### Future-proof Skills ↑

Present a detailed feasibility report, taking external parameters into account	While AI can assist in data compilation, the ability to interpret this data in a broader context, present it persuasively, and consider ethical and regulatory considerations remains a distinctly human skill.
The automation of storage systems and anomaly detection systems will make this task easier in the future.	If AI can identify patterns, the ability to interpret these patterns, understand their relevance in a business context, and act accordingly is a deeply human skill.

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