

Big Data & AI Readiness Checklist



Business Alignment

- Can you name 1–3 specific business problems your data/AI initiative will solve?
- Do you have defined KPIs with target values (e.g., reduce churn by 15%)?
- Are business and technical stakeholders aligned on priorities, deadlines, and budget?



Data Foundation

- Do you know where your critical data lives (systems, formats, owners)?
- Is your data consistently usable without manual cleanup?
- Are data ownership and access rules clearly defined and enforced?



Architecture & Infrastructure

- Do you have documented architecture?
- Are your pipelines automated?
- Can your system handle 2–3x data growth without redesign?



Technology Stack

- Are your tools integrated (no silos or duplicate pipelines)?
- Can your team operate and maintain the stack without external dependency?
- Can your team operate and maintain the stack without external dependency?



AI & LLM Readiness

- Do you have at least one validated AI use case with expected ROI?
- Is your data structured and accessible for training or inference pipelines?
- Can you deploy models into production?
- For LLMs: do you have a clear approach to using internal data (RAG, embeddings, etc.)?



Governance & Scaling

- Are security and compliance requirements implemented?
- Do you have monitoring for data quality, pipelines, and model performance?
- Can your system scale without breaking governance or control?