# **Architectural Decision Record (ADR) Template**

## **1. Title**

A short, descriptive title for the decision.

## **2. Context**

Explain the problem or decision being made. Include background information, system constraints, and relevant technical or business considerations.

* **Current Challenge:** Describe why this decision is needed.
* **Available Options:** List possible approaches.
* **Key Constraints:** Mention any cost, latency, compliance, or accuracy requirements.

## **3. Decision**

Clearly state the chosen approach and justify why it was selected over alternatives.

* **Chosen Approach:** Describe the selected solution.
* **Why This Approach?** Explain the benefits of the selected approach.
* **Rejected Alternatives & Trade-offs:** List other approaches and why they were not selected.

## **4. Architecture Impact**

Describe how this decision affects system components, dependencies, and workflows.

* **New Components:** List new components being introduced.
* **Integration Points:** Mention how this integrates with existing systems.
* **Performance Considerations:** Describe any latency, scalability, or efficiency factors.

## **5. Risks & Mitigation**

Identify potential risks and how they will be addressed.

|  |  |  |
| --- | --- | --- |
| **Risk** | **Impact** | **Mitigation Strategy** |

## **6. Monitoring & Validation**

Describe how this decision will be evaluated for success.

* **Success Metrics:** Define measurable outcomes.
* **Monitoring Tools:** List tools or dashboards for tracking performance.
* **Iteration Plan:** Explain how improvements will be made over time.

## **7. Acceptance Criteria**

Define the specific requirements that must be met for this decision to be considered successfully implemented.

## **8. Implementation Plan**

Outline the steps required to put this decision into practice.

## **9. Decision Status**

Mark the decision as:

* **Accepted** – Approved for implementation.
* **In Progress** – Being tested or iterated on.
* **Rejected** – Not adopted due to constraints or new findings.

**10. Related Documents**

List related ADRs, architecture diagrams, research papers, or technical documentation.