**Adapting good design principles from AWS well-architected framework (Machine Learning Lens)**

We adopt the 5 pillars of a well-architected solution developed by AWS. They help build solutions with optimal business value using a standard framework of good design principles and best practices:

1. **Operational Excellence**: Focuses on the ability to operationalize your models in production, monitor, and gain insights into ML systems to deliver business value and to continually improve supporting processes and procedures.
2. **Security**: Focuses on the ability to protect information, systems, and assets (data) while delivering business value through risk assessments and mitigation strategies.
3. **Reliability**: Focuses on the ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues.
4. **Performance Efficiency**: Focuses on the efficient use of computing resources to meet requirements and how to maintain that efficiency as demand changes and technologies evolve.
5. **Cost Optimization**: Focuses on the ability to build and operate cost-aware ML systems that achieve business outcomes and minimize costs, thus allowing your business to maximize its return on investment.

* **Tie each risk directly to components in the system design (e.g., how the User Feedback Service mitigates recommendation inaccuracy)**
* **Consider adding quantitative estimates of risk impact where possible. Eg - A 15% decrease in user engagement could result in a $200,000 annual revenue loss"**
* **present each risk followed immediately by its mitigation strategies.**
* **This makes it clearer how each risk is being addressed and links the potential issues directly with solutions.**