Architecture Constraints

Software Architecture

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Constraints	Background and/or motivation
Security and Privacy Compliance	Ensure the security and privacy of user data is extremely important. Following rules like GDPR and HIPAA, and make sure there are strong security measures in place to secure our user data.
Limited budget	It's important to prioritize core features since our budget is limited. Available resources should be spent cautiously. Cost-effective technologies should be considered (without sacrificing performance), i.e.: open-source
Performance Optimization	Efficient use of CPU, memory, bandwidth and storage resources is critical for a smooth user experience. Background processes should be optimized to avoid impacting device performance.
Third-party integrations	The architecture must accommodate and be resilient to changes or limitations imposed by third-party integrations. As the application relies on external services for features such as authentication, and social sharing, it must be designed to easily handle changes in third-party APIs.
Platform Compatibility	The app needs to be developed native for both iOS and Android platforms. This requires knowledge of different programming languages, development environments and design guidelines.

Business Context