Iurii Luchaninov, **Solution Architect at MobiDev**

With more than a decade of expertise in developing and modernizing applications, at MobiDev, we have crafted our own approach and best practices to legacy app migration implementation. We recommend using the following checklist to verify that the process goes smoothly.

7 Steps to Seamless Application Migration

1 APPLICATION AUDIT:
- Assess the business goals, product requirements and needs
- Understand the application's architecture, dependencies, and technical debt
- Evaluate the current hardware, software, and infrastructure

2 DEFINE THE MIGRATION STRATEGY:
- Determine the appropriate migration strategy (rehosting, replatforming, refactoring, rearchitecting, or replacement)
- Identify the target platform and services
- Develop a detailed migration plan aligned with the business plan, with timelines and resource requirements

3 PREPARE THE APPLICATION FOR MIGRATION:
- Modernize the application's codebase, dependencies, and libraries
- Refactor the application to be cloud-native if applicable and required
- Ensure data migration and compatibility between the legacy and new apps
- Implement security and compliance measures

4 MIGRATE THE APPLICATION:
- Set up the target infrastructure and deploy the necessary services
- Migrate the application's code, data, and configuration to the new environment
- Perform comprehensive testing to validate the migrated application

5 MANAGE THE TRANSITION:
- Develop a comprehensive communication plan to keep stakeholders informed
- Provide training and support to the end-users during the transition
- Establish a rollback plan in case of unforeseen issues

6 MAINTAIN AND CONTINUOUSLY IMPROVE:
- Implement a robust change management process for the migrated application
- Monitor the application's performance and make necessary adjustments
- Continuously evaluate and implement upgrades, patches, and new cloud-native features

7 PERFORM TECHNICAL OPTIMIZATION OF THE MIGRATED APPLICATION:
- Leverage cloud-native features and services to improve scalability, reliability, and performance
- Implement monitoring and logging mechanisms to ensure the application's health and responsiveness
- Optimize the application's cost and resource utilization on the cloud platform

MobiDev can help you with:

- Current application code and architecture assessment by providing a software audit
- Migration approach selection, taking into consideration business goals, technical limitations, budget and time restrictions—formed into a Tech strategy with timelines, milestones, resource allocation, and risk management strategy
- Allocation of a **dedicated development team** of legacy app modernization experts or in-house **team augmentation** with Middle & Senior level software engineers

SCHEDULE A CALL WITH A MOBIDEV EXPERT