DD&T — WEEKLY REPORT

Digital, Data & Technology

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1 · This week in one paragraph

This week focused on a technical review of the LaMusica iOS and Android codebases from both engineering and project-management perspectives. On iOS, I reviewed the CocoaPods and Swift Package Manager configuration, identified the current dependency migration path, and began the incremental removal of CocoaPods on branch **MOB-967-ios---pods-removal**. Google Sign-In was successfully removed from CocoaPods and added through Swift Package Manager. Firebase was upgraded to the 11.x line so its App Check dependency is compatible with Google Sign-In 10.1.0. The package graph resolved successfully, Google Sign-In was tested successfully on physical devices and simulators, and the completed work was committed and pushed in commit **7bcd6620**. I also identified a replacement strategy for **UIFloatLabelTextField**, which has no SPM distribution: replace it with a small internal UIKit floating-label text-field component and update the affected storyboard fields.

The Android review covered the project structure, build configuration, security posture, testing maturity, playback architecture, Android Auto, release readiness, and technical debt. The findings were converted into a detailed four-sprint roadmap with Jira-ready work items, timelines, priorities, dependencies, and acceptance criteria.

2 · Open items

- Implement the internal **LMFloatingTextField** replacement for the three profile fields currently using UIFloatLabelTextField.
- Remove UIFloatLabelTextField from the Podfile and Podfile.lock after storyboard and profile-flow validation.
- Continue the iOS CocoaPods migration using a dependency-by-dependency approach, keeping high-risk media and advertising SDKs isolated.
- Review and prioritize the Android roadmap's immediate P0 items, especially credential rotation, network security, environment separation, and build reproducibility.

3 · Next week

- Build and integrate LMFloatingTextField as a local UIKit component, preserving placeholder animation, typography, focus state, accessibility, and existing date and gender picker behavior.
- Run the iOS profile regression flow for username, birthday, gender, limited profiles, keyboard dismissal, and storyboard outlet connections.
- Remove UIFloatLabelTextField from the CocoaPods integration after the replacement is validated.
- Create the next CocoaPods removal card based on risk and effort, likely beginning with a low-risk UI or utility dependency.

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- Refine the Android roadmap into sprint epics and assign owners for the first security and build-stability items.

4 · Open issues

- CocoaPods installation still reports an existing bitcode-stripping error for the Google IMA framework. It did not block dependency installation, but it should be addressed as part of the broader CocoaPods cleanup.
- UIFloatLabelTextField is coupled to storyboard custom classes, so the replacement must update both Swift outlets and storyboard class bindings.
- The Android build could not be fully validated during the review because the Gradle 9.6.1 wrapper distribution was unavailable in the environment.
- The repository contains security and release-readiness risks that should be treated as P0 work in the Android roadmap, including committed credentials, permissive network settings, and missing automated tests.

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