CASE STUDY

Speech Timer

oodles

OVERVIEW

14+
years of
service

20+
countries
served

450+
clients across
the globe

770+
projects
completed

Oodles Technologies is a trusted digital transformation company, empowering businesses with cutting-edge technology solutions since 2009. We specialize in delivering innovative and tailored software solutions to clients across diverse industries, transforming their ideas into reality.

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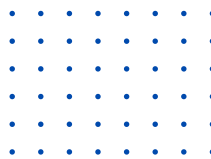goodfirms.co

IMAGINE A TECHNOLOGY-DRIVEN WORLD!

Over the course of more than a decade, our growth has been remarkable as we expanded our services to cater to over a hundred clients in various regions, including the US, Australia, Asia, UAE and Europe. Our clientele encompasses a wide spectrum, ranging from startups to Fortune 400+ enterprises.

PROJECT OVERVIEW

✦ CLIENT BACKGROUND

The Speech Timer MVP is a cutting-edge cross-platform application developed in response to a client's vision to empower public speakers with efficient timing management. Using Swift for iOS and Jetpack Compose for Android, we created a solution featuring smartwatch integration, customizable timing features, and an intuitive interface.

The implemented freemium model offers essential features in the free version, while premium users gain access to unlimited speech projects and advanced customization options. The result is a professional-grade tool that offers sophisticated timing management through a user-centric interface, ensuring enhanced accessibility for speakers at every stage.

✦ PROJECT CHALLENGES

1. The Speech Timer project presented significant challenges, with the primary hurdle being seamless cross-compatibility between iOS and Android systems while maintaining consistent functionality and user experience.

2. Secondly, the integration of wearable devices and the implementation of a reliable notification system across multiple devices added a level of complexity that required a sophisticated blend of synchronization mechanisms and communication protocols.

3. Additionally, the solution demanded an optimum balance between its feature-rich functionality including precise timers and discrete notifications along with a user-friendly interface, to provide speakers with an efficient time management system.

OUR DEVELOPMENT METHODOLOGY

Our development approach emphasized on implementing a robust bi-weekly sprint cycle to build the timer's core features across iOS and Android platforms. Starting with the project and GitHub setup, we progressed to implementing essential timer functionality including notification systems, and customization options.

We integrated Firebase for Analytics and incorporated critical features such as smartwatch compatibility, silent notifications, and custom alarms. Data privacy was given special consideration at all stages of the developmental cycle of the project. Functionality was ensured in various device states like sleep and airplane modes and quality was ensured through comprehensive testing cycles.

✦ TECHNOLOGIES & FRAMEWORK EMPLOYED

iOS & Android   **Firebase**   **Wear OS**   **watchOS**

The development leveraged Swift and Xcode IDE for iOS application and watchOS integration, while Android implementation utilized Jetpack Compose and Android Studio with WearOS capabilities. The infrastructure integrated Firebase for analytics and crash reporting, with version control managed through GitHub, ensuring efficient collaborative development.

✦ FEATURES & FUNCTIONALITIES

The Speech Timer MVP offers a comprehensive suite of features for precise presentation timing. It includes customizable timer configurations with color-coded segments, providing intuitive visual feedback via green, yellow, and red indicators. The sophisticated multi-modal alert system integrates screen color changes, customizable audio alerts, and discrete vibration patterns on both phones and smartwatches to help speakers maintain timing without disrupting presentations.

Users can efficiently adjust speech durations and manage multiple time segments, while smartwatch integration enables discreet timing management through wrist notifications and haptic feedback. The premium version unlocks unlimited speech projects, advanced customization options, and enhanced wearable features that bypass focus/do not disturb modes for reliable alerts. Designed for both practice and live presentations, it ensures speakers maintain professional timing while staying focused on delivery.

RESULTS & IMPACT

✦ THE OUTCOME

The successful implementation of the Speech Timer MVP resulted in a powerful, user-friendly application that effectively addresses the timing management needs of public speakers. The final product offers seamless cross-platform operation with robust smartwatch integration, providing users with a comprehensive timing solution that maintains high privacy standards through zero data collection.

The application's architecture proved highly scalable, supporting both current features and future enhancements. The freemium business model was successfully implemented, creating clear value differentiation between free and premium versions. The delivered solution effectively combines professional-grade functionality with intuitive user experience, establishing itself as a reliable tool for speakers to manage their presentation timings efficiently across various devices and operating systems.

Explore our latest project in action on our YouTube channel

▶ https://www.youtube.com/watch?v=vBsJTo26Svw

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Thank you,
We Appreciate Your Time!

Reach out to us to explore unimagined possibilities and opportunities for your business together!

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