



WELCOME!

# From Mobile to MongoDB

Store your app's data using Realm



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Innovation Hub  
Málaga

# Agenda

What's MongoDB?

What's MongoDB Atlas?

Do we need another mobile data base?

Realm

Demo: iOS SwiftUI Realm App + Atlas Device Sync

Other Mobile platforms: resources



# What's MongoDB?

# MongoDB Repos!





## mongodb

1.2k followers <http://www.mongodb.com/> Part of MongoDB

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### Popular repositories

**mongo** Public

The MongoDB Database

● C++ ⭐ 23.3k ⚡ 5.5k

**node-mongodb-native** Public

The Official MongoDB Node.js Driver

● TypeScript ⭐ 9.7k ⚡ 1.8k

**mongo-go-driver** Public

The Official Golang driver for MongoDB

● Go ⭐ 7.2k ⚡ 838

**mongoid** Public

The Official Ruby Object Mapper for MongoDB

● Ruby ⭐ 3.9k ⚡ 1.4k

**mongo-python-driver** Public

PyMongo - the Official MongoDB Python driver

● Python ⭐ 3.8k ⚡ 1.1k

**mongo-csharp-driver** Public

The Official C# .NET Driver for MongoDB

● C# ⭐ 2.9k ⚡ 1.2k

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### People



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### Top languages

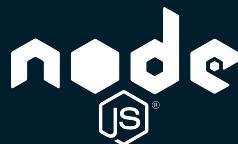
● Python ● Go ● JavaScript ● Java  
● TypeScript



# Why was MongoDB created?

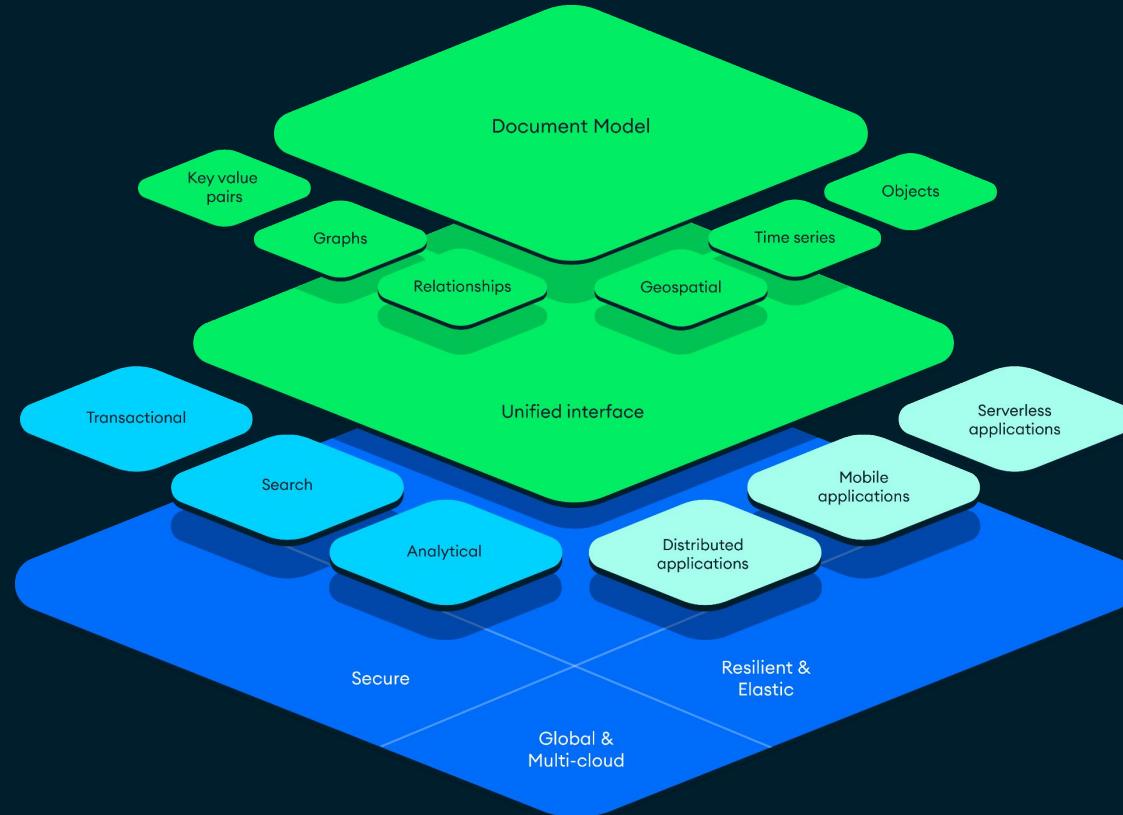


... to help developers move from idea to global scale as quickly & easily as possible



# What's MongoDB Atlas?







Do we need another  
mobile data base?



ios

Core Data

SQLite

Firebase

ORMs

NSUserDefaults 😅

Android

Room

SQLite

Firebase

ORMs

SharedPreferences



# Realm



CUSTOMER  
BRIEF

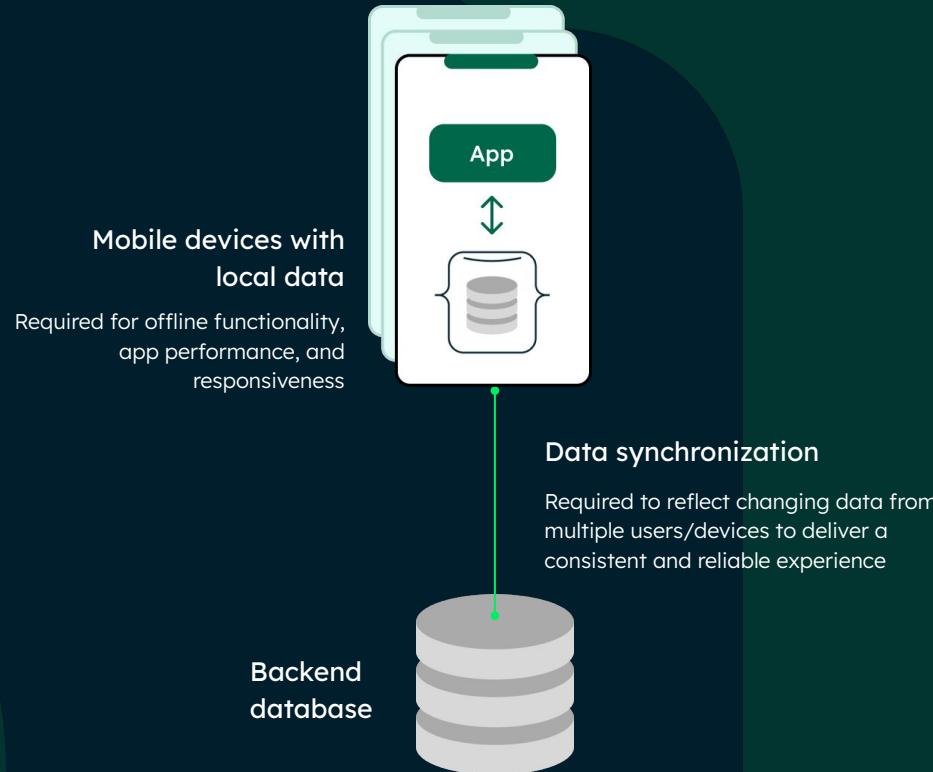
# A simple App?

At least Two Mobile Apps & a Backend

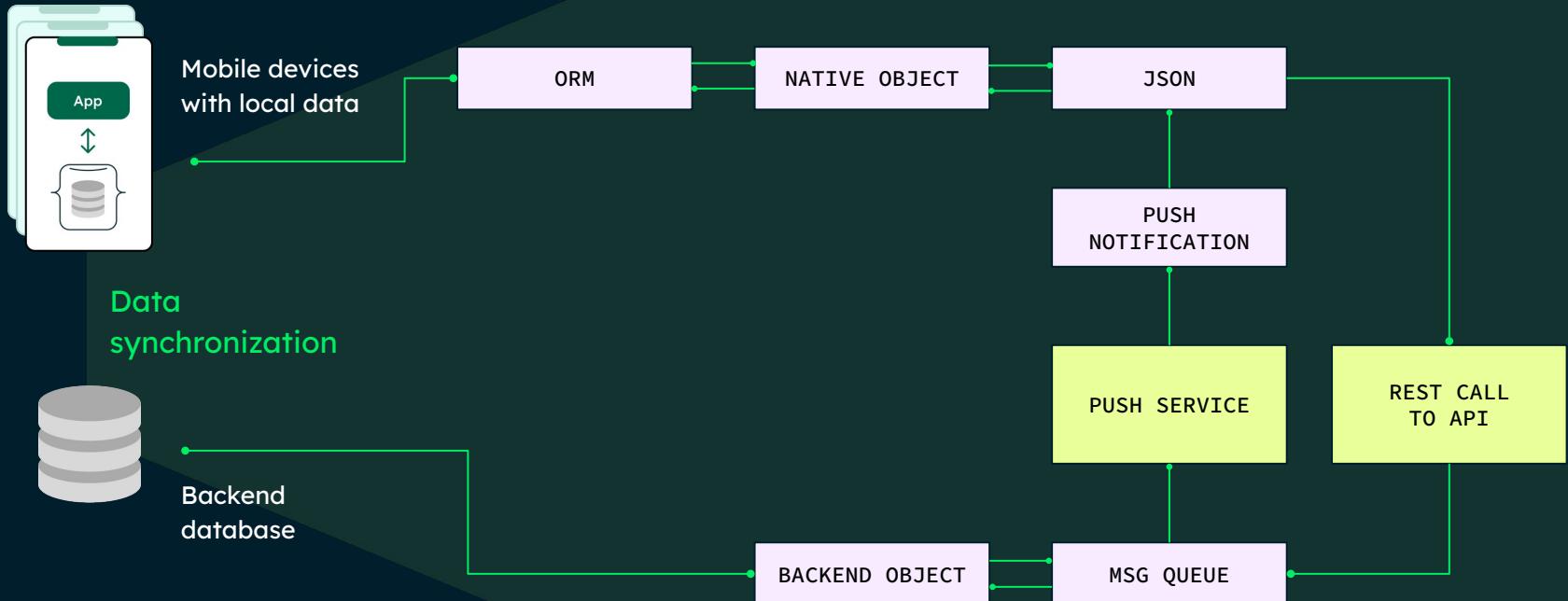




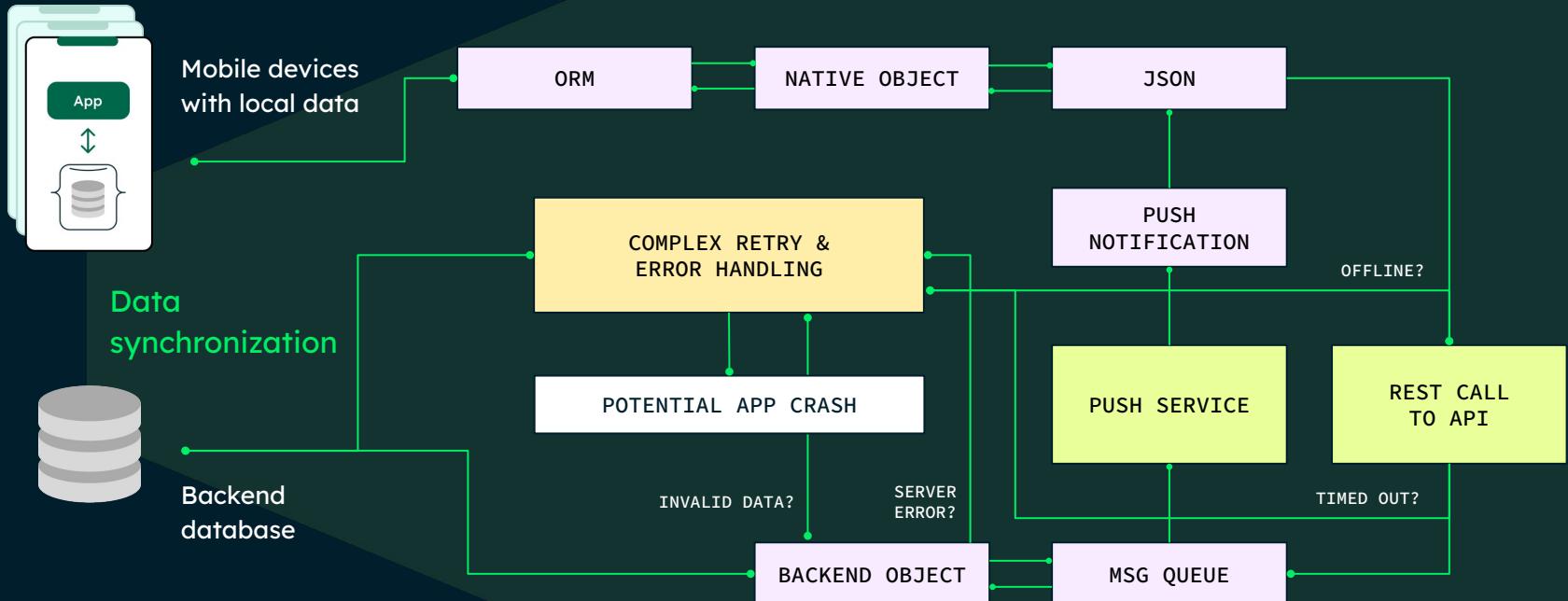
# Architecting a mobile app



# Sync solutions are complex, and rarely unique

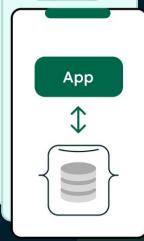


# Device and network limitations add complexity

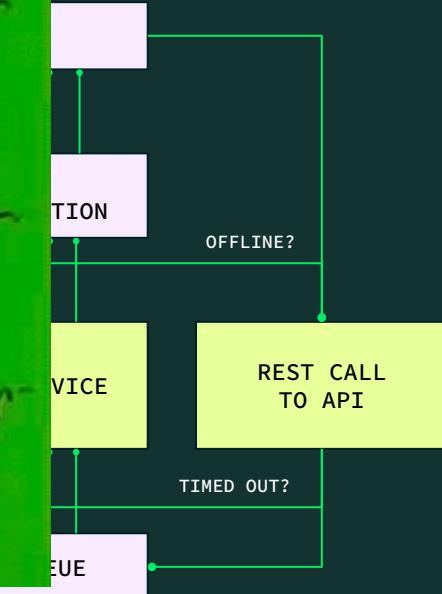




# Real-time experiences at scale require conflict resolution



Data synchronization



# Reinventing data synchronization is risky



## Goals are missed

A subpar user experience pushes users to alternative solutions, thwarting business goals.



## Resources are wasted

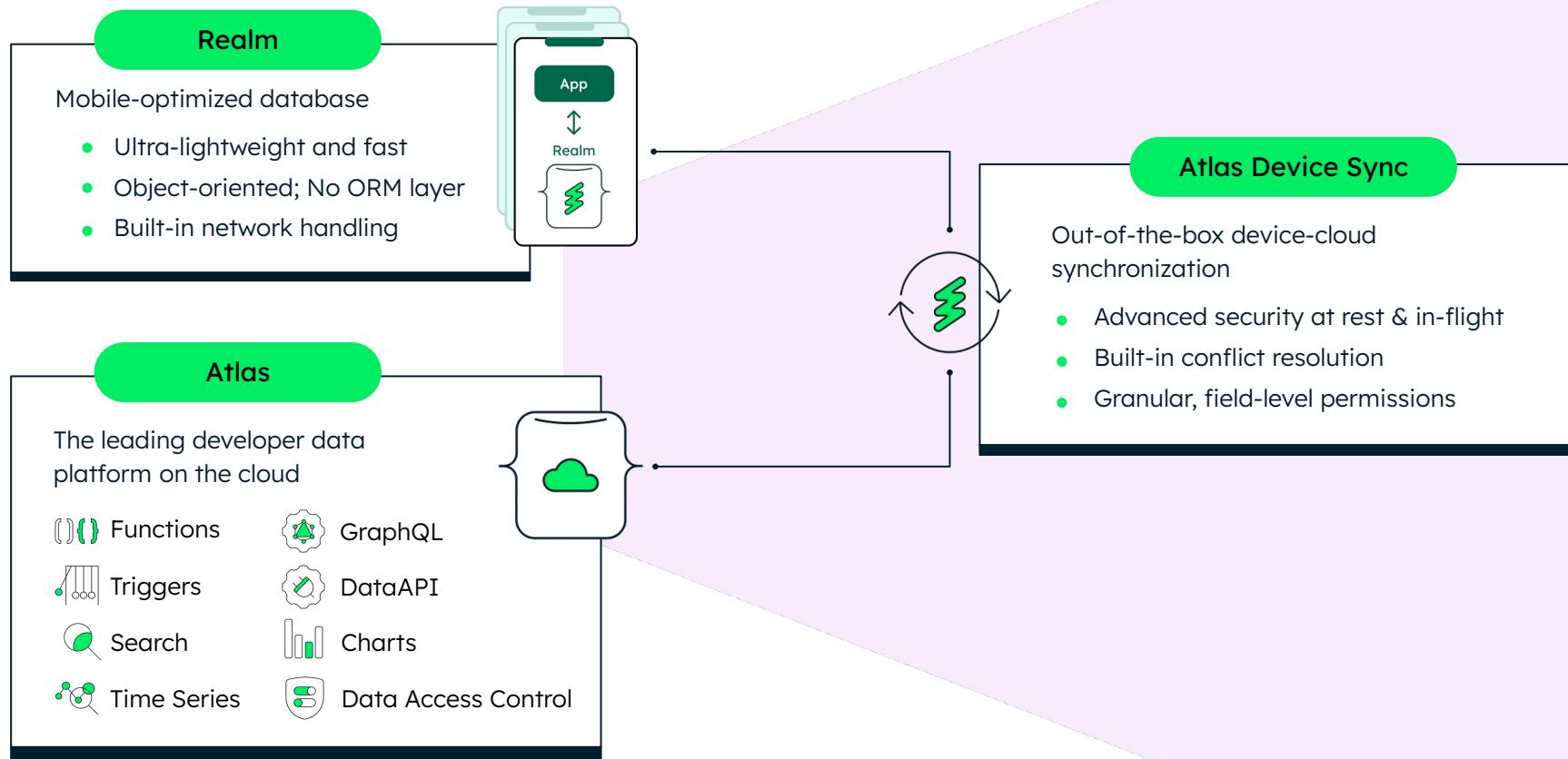
Teams spend time reinventing the wheel – and maintaining this code – instead of innovating proprietary technology.



## Data is siloed

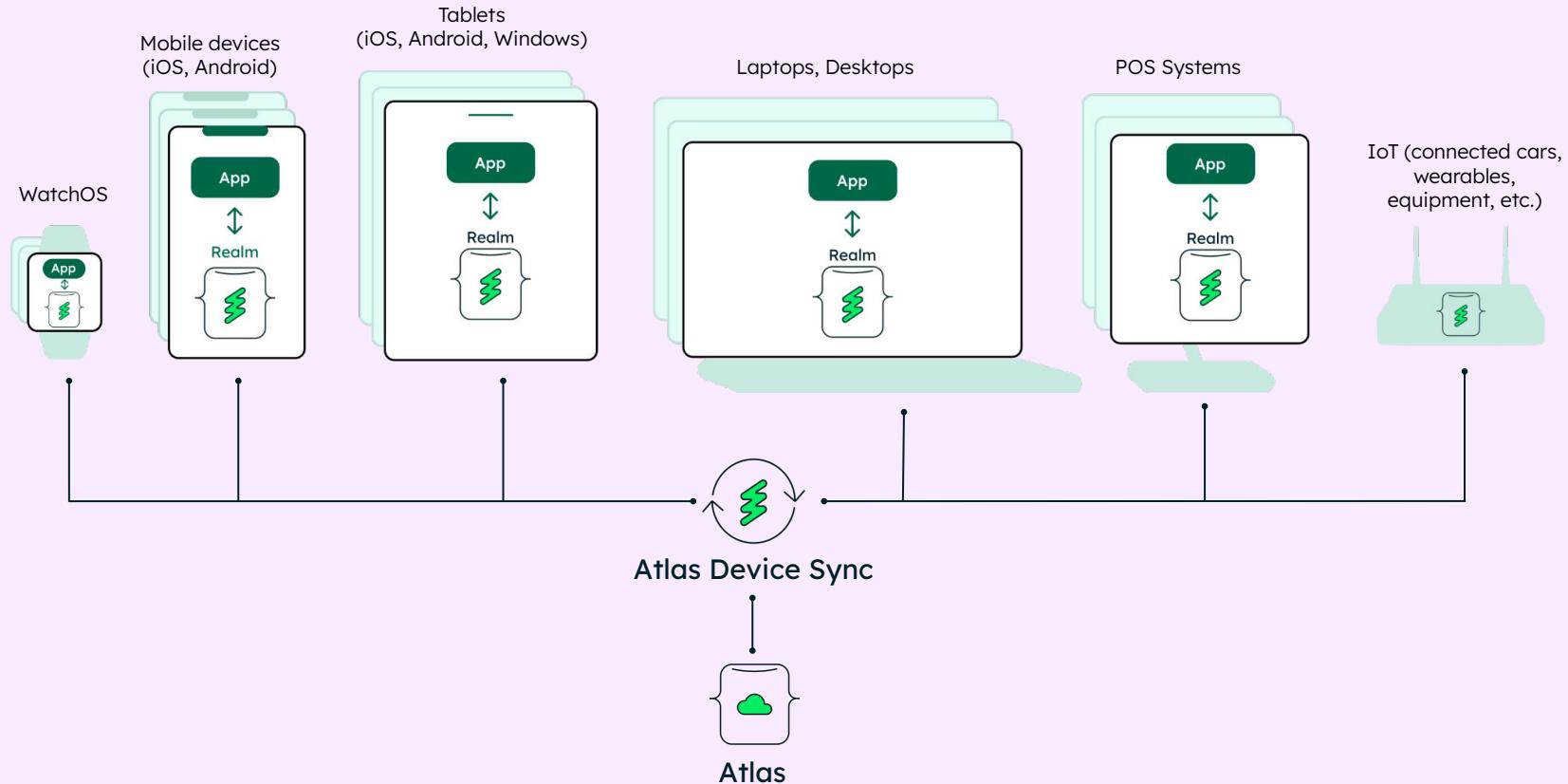
Without real-time data connectivity, teams are left in the dark and business insights are inaccurate.

# MongoDB is the **easiest** way to build & scale mobile apps





# A single data layer across all platforms



# Supported frameworks and languages

Swift/SwiftUI

Dart/Flutter

Kotlin/Kotlin Multiplatform

Java

JavaScript (React Native,  
Node.js, Ionic, Electron)

.NET (Unity, Xamarin, MAUI)

C++ (alpha)





# Realm & Atlas Device Sync

Local and offline data access with fast, efficient  
device to cloud sync

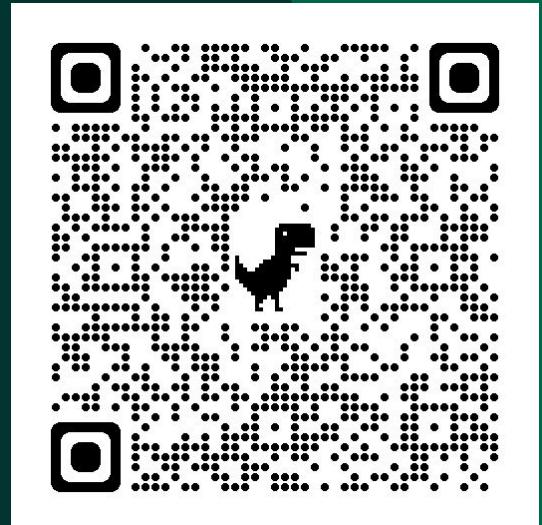
# Demo: iOS SwiftUI Realm App + Atla Device Sync





giphy.com

Stop! Feedback  
time!



# Resources





# Android KMM

- Android: <https://github.com/mongodb-developer/TalkToMe-Android>
- KMM: <https://github.com/mongodb-developer/PassKeeper>
- KMM: <https://github.com/mongodb-developer/Conference-Queries-App>
- React Native: <https://github.com/mongodb-developer/read-it-later-maybe>



# Thank you for your time.



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