Mastering TanStack Query Firebase –Build a Realtime Task Manager
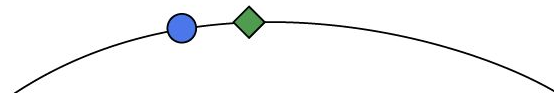
Hassan Bahati

Tech Lead, Pollicy
Maintainer, TanStack Query Firebase

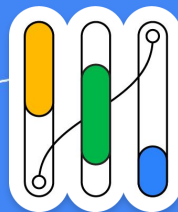@HassanBahatiM - X
@HassanBahati – GitHub

Firebase

App development platform that helps developers build, launch, and manage mobile and web applications with ease.
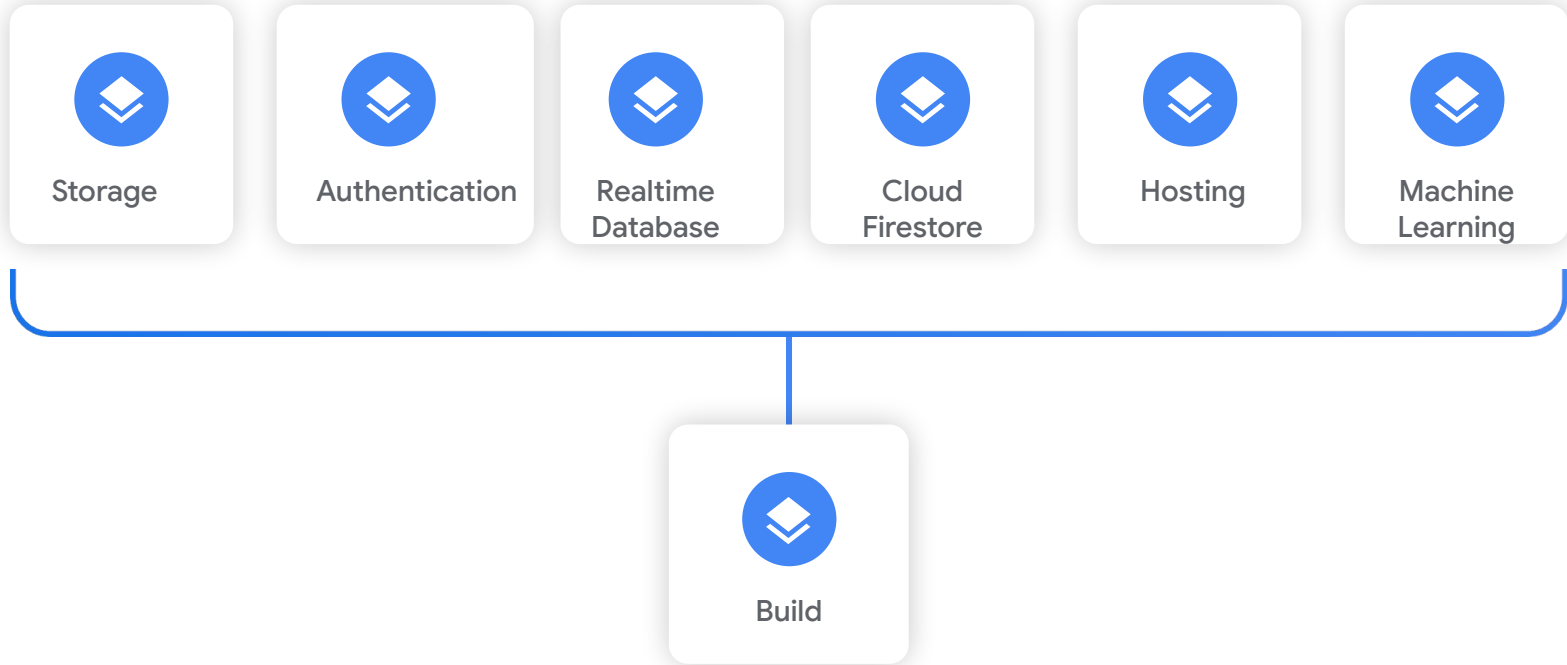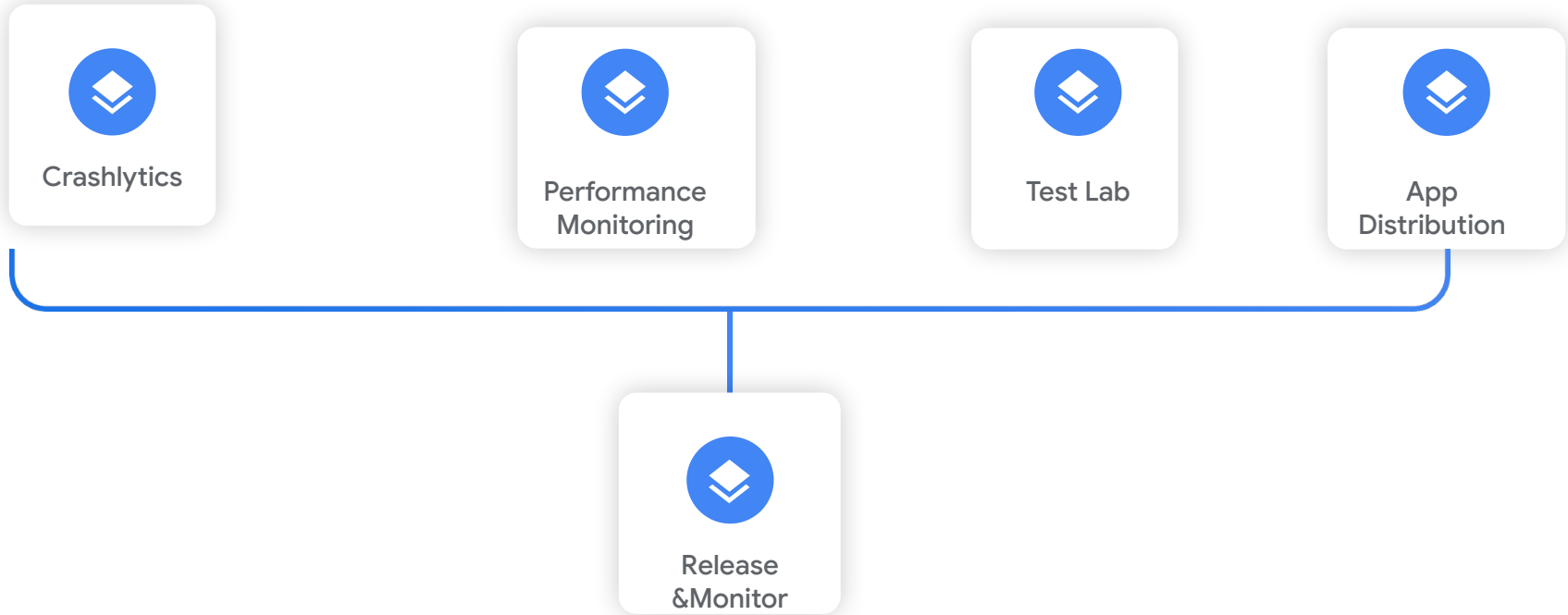
Firebase –

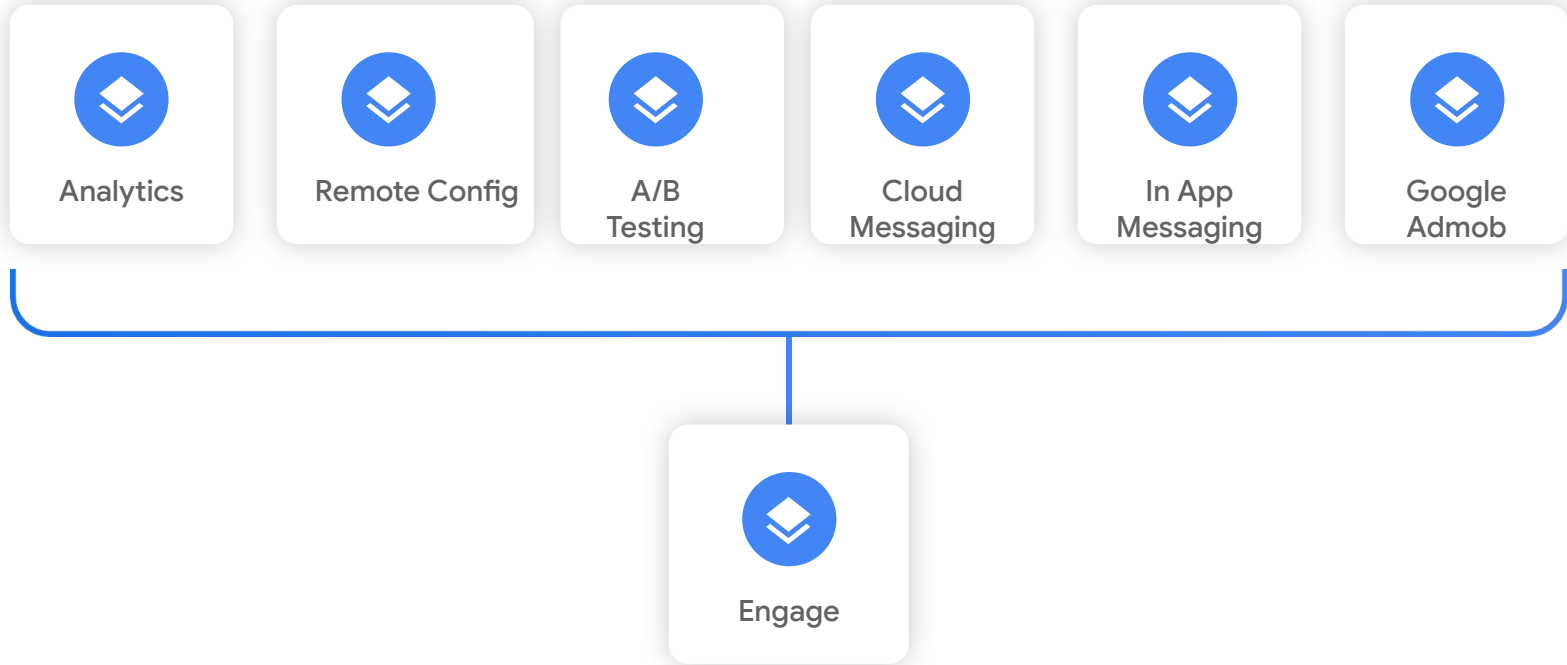## A collection of tools and services that empower developers to succeed.

Build with Firebase

Storage	Authentication	Realtime Database	Cloud Firestore	Hosting	Machine Learning

Build
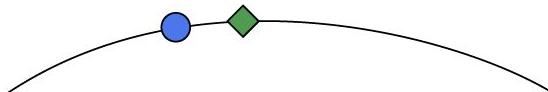
Release & Monitor with Firebase
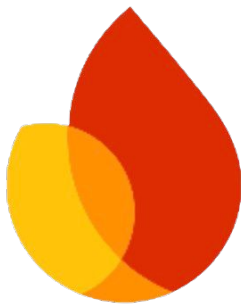
Engage with Firebase

TanStack Query

An asynchronous state management library that makes your web apps faster and more efficient! It gives you declarative, always-up-to-date queries and mutations.
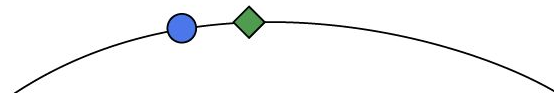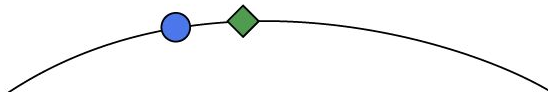
= TanStack Query Firebase

(TanStack Query bindings for Firebase)
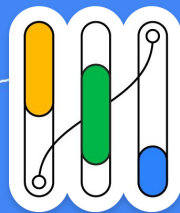
TanStack Query Firebase

- Powerful library.

- Supports popular frontend frameworks.

- Provides a set of hooks for handling asynchronous tasks with Firebase in your applications.

- Makes your Firebase-powered apps more efficient.

Managing state synchronization, caching, and background updates can be complex !!!
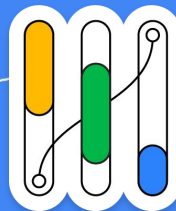
— TanStack Query Firebase, makes this super easy and efficient.

Building a Real-Time Expense Tracker App

- Add, and view expenses.

- Categorize expenses (Food, Rent, Travel, etc.)

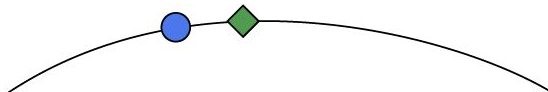- Sync data in real-time with Firestore.

Pre-requisites

// Node.js and npm installed

// Firebase account and Firestore enabled

// Basic knowledge of React and Firebase
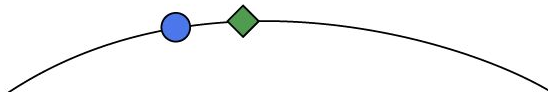
Real-Time Expense Tracker App

1. Setting Up the Project.

   -   Configure Firebase.

2. Setting Up TanStack Query Firebase.

3. Adding Expenses with Mutations.
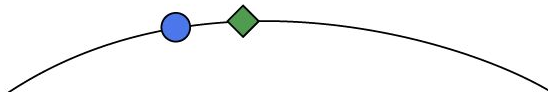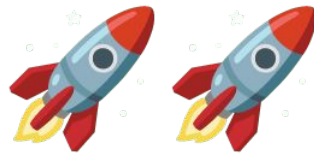
4. Viewing Expenses with Queries.

Resources

https://invertase.docs.page/tanstack-query-firebase

https://tanstack.com/query/latest

https://firebase.google.com

https://tanstack.com/query/v4/docs/framework/react/guides/query-invalidation

Hand-on session 🚀🚀

Deep dive into a hand-on second half where we shall build real-time expense tracker app using TanStack Query Firebase.