

How Flutter Save Your Precious Time

Multi Platform, Fullstack, Bonus: Gemini AI Demo



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- Flutter Tutorial Creator @ YouTube
- Flutter Trainer
- Traveling     
- Eating     
- Watching movies    
- Anything costs money     
- Coding    

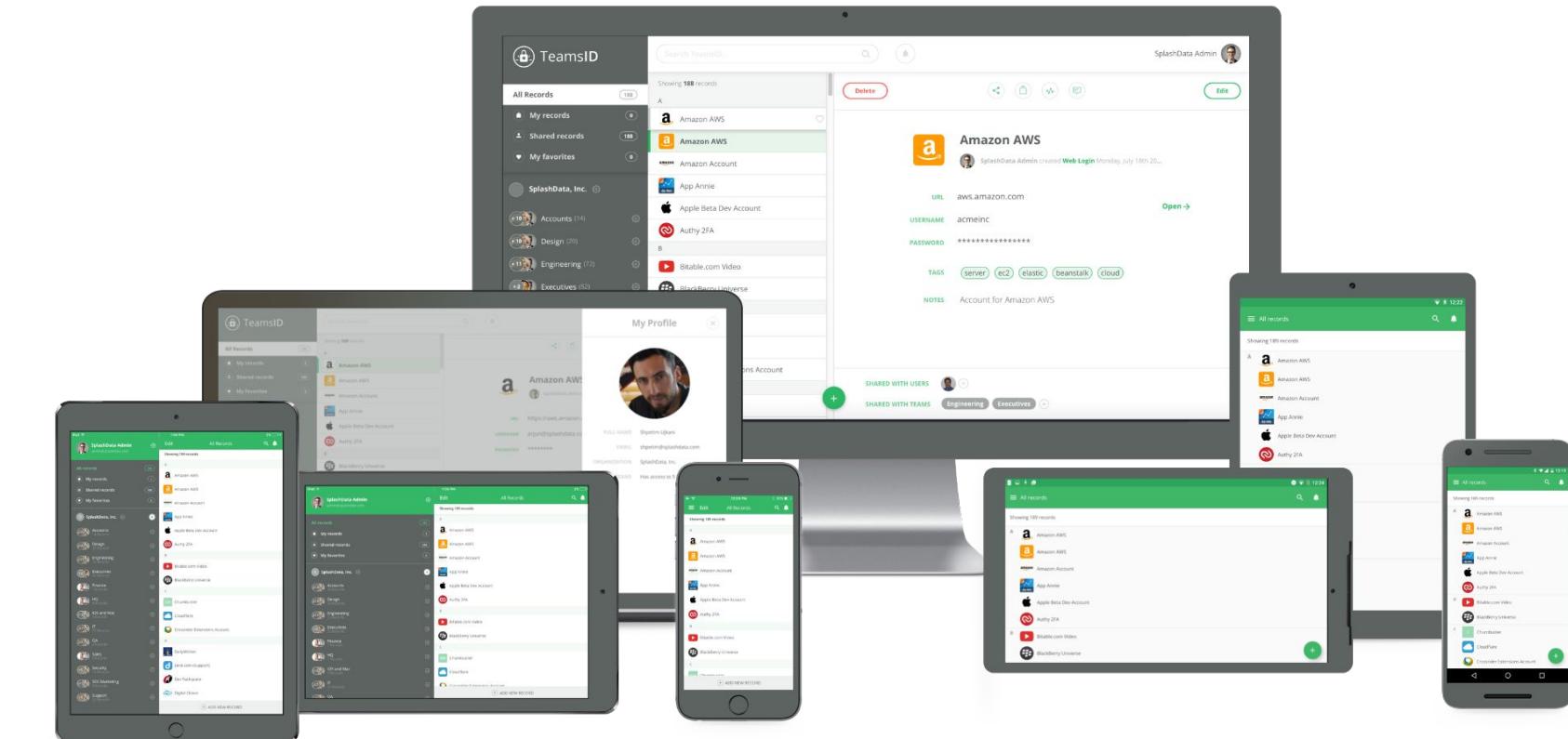




Flutter: multi platform framework

The impact of advanced technology and internet

- Companies **need to digitize** their **system**.
- The system needs to **accommodate** as **many platforms** as possible.
- Development and maintenance **need to be done** as **quickly** as possible.



The problems encountered

- It takes **multiple teams** to handle multiple platforms.
- **Development** and **maintenance time may vary** between platforms.
- **App quality** and **user experience (UX) may vary** between platforms.
- **More costs** are required.



What is Flutter?

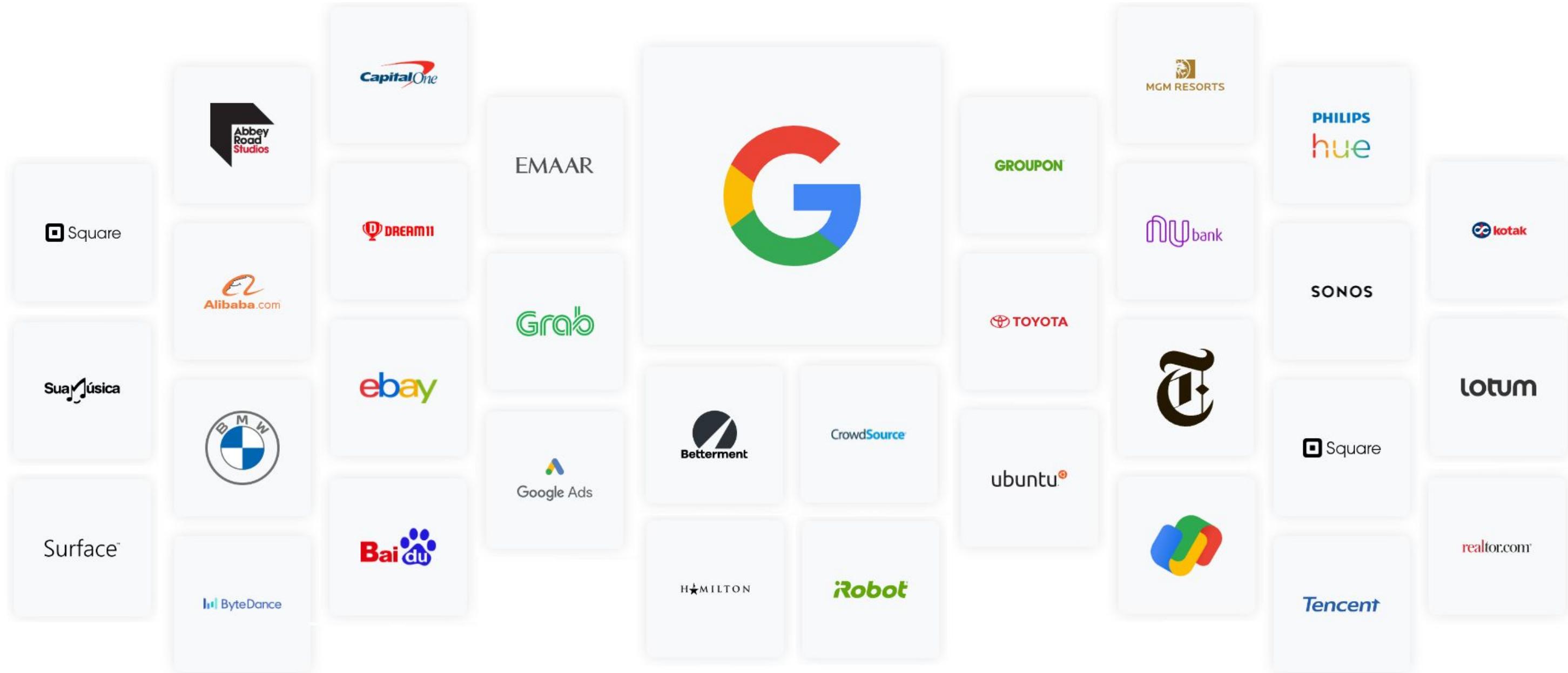
Flutter is an **open source framework** by **Google** for building **beautiful, natively compiled, multi-platform** applications from a **single codebase**.

 **Kenapa Flutter?**
<https://youtu.be/3R3aiBmz-II>

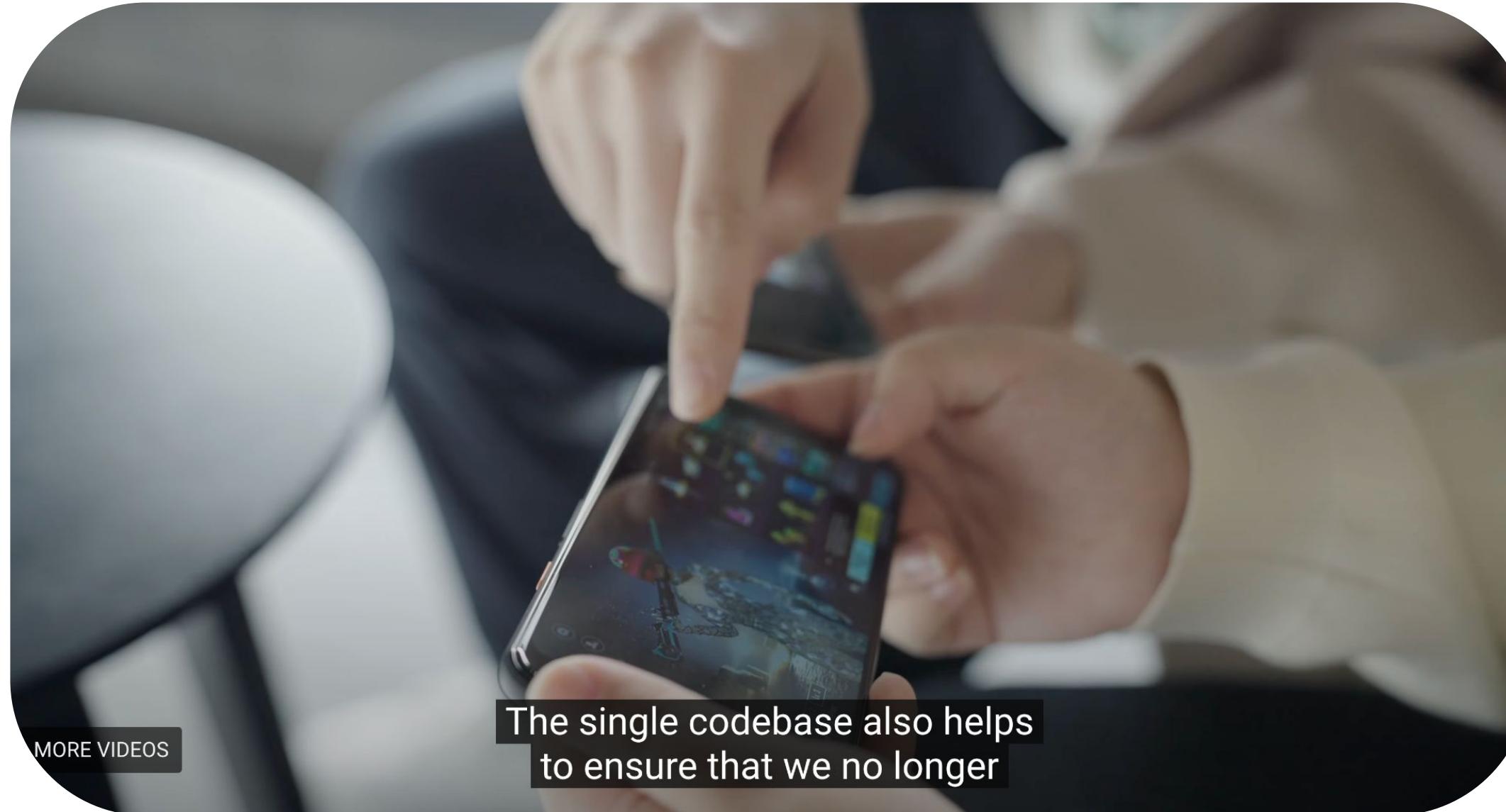




Who use Flutter?



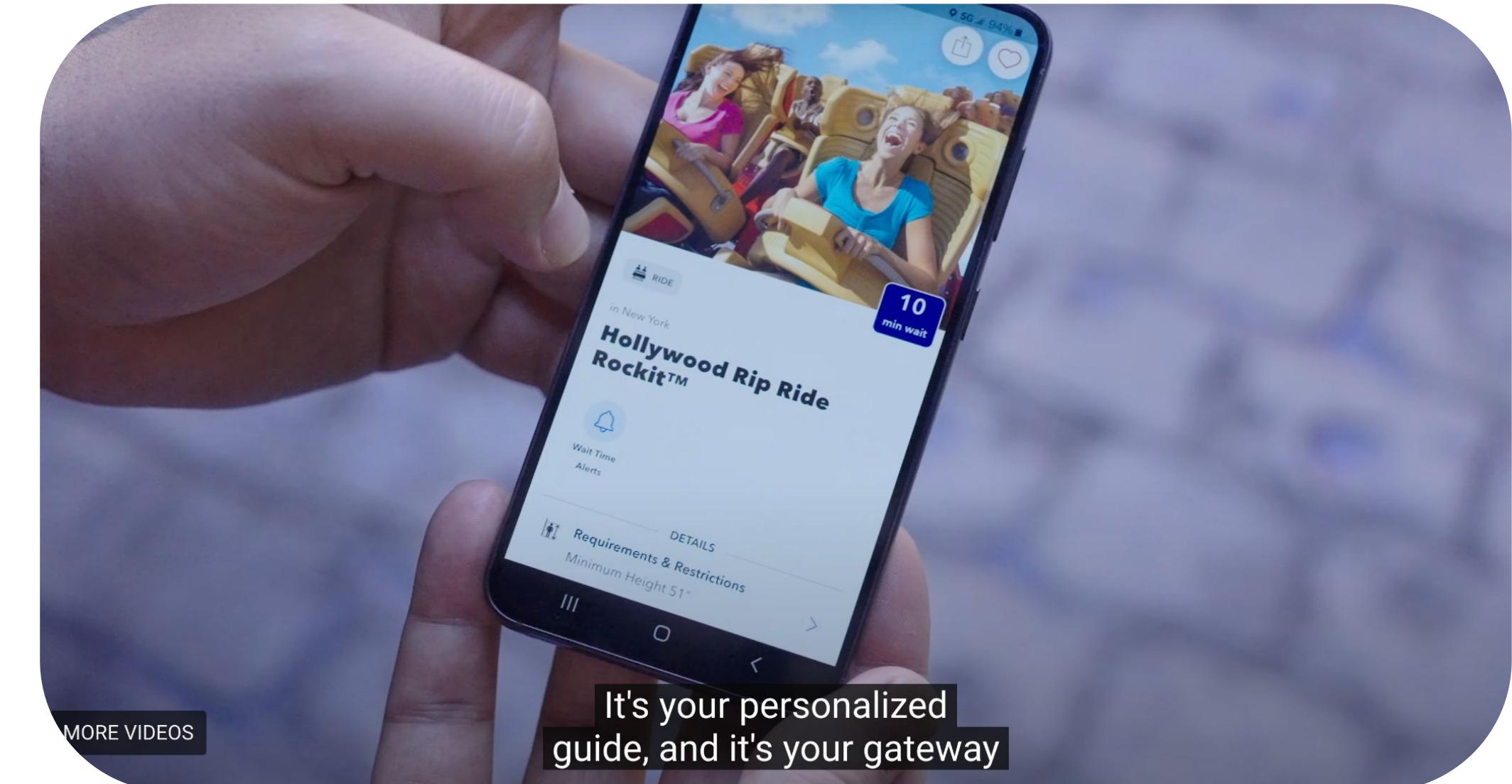
Community Module of PUBG Mobile



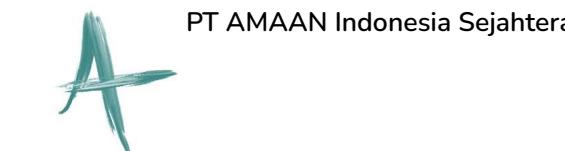
Universal Studios build next generation experiences with Flutter

- ▶ How Universal Destinations & Experiences build next generation experiences with Flutter

<https://youtu.be/JTk2Exr7FO4>



Who use Flutter?



 **Apa itu Flutter & Siapa yang Menggunakannya?**
<https://youtu.be/a8ulkOnYcw>



More and more are supporting Flutter

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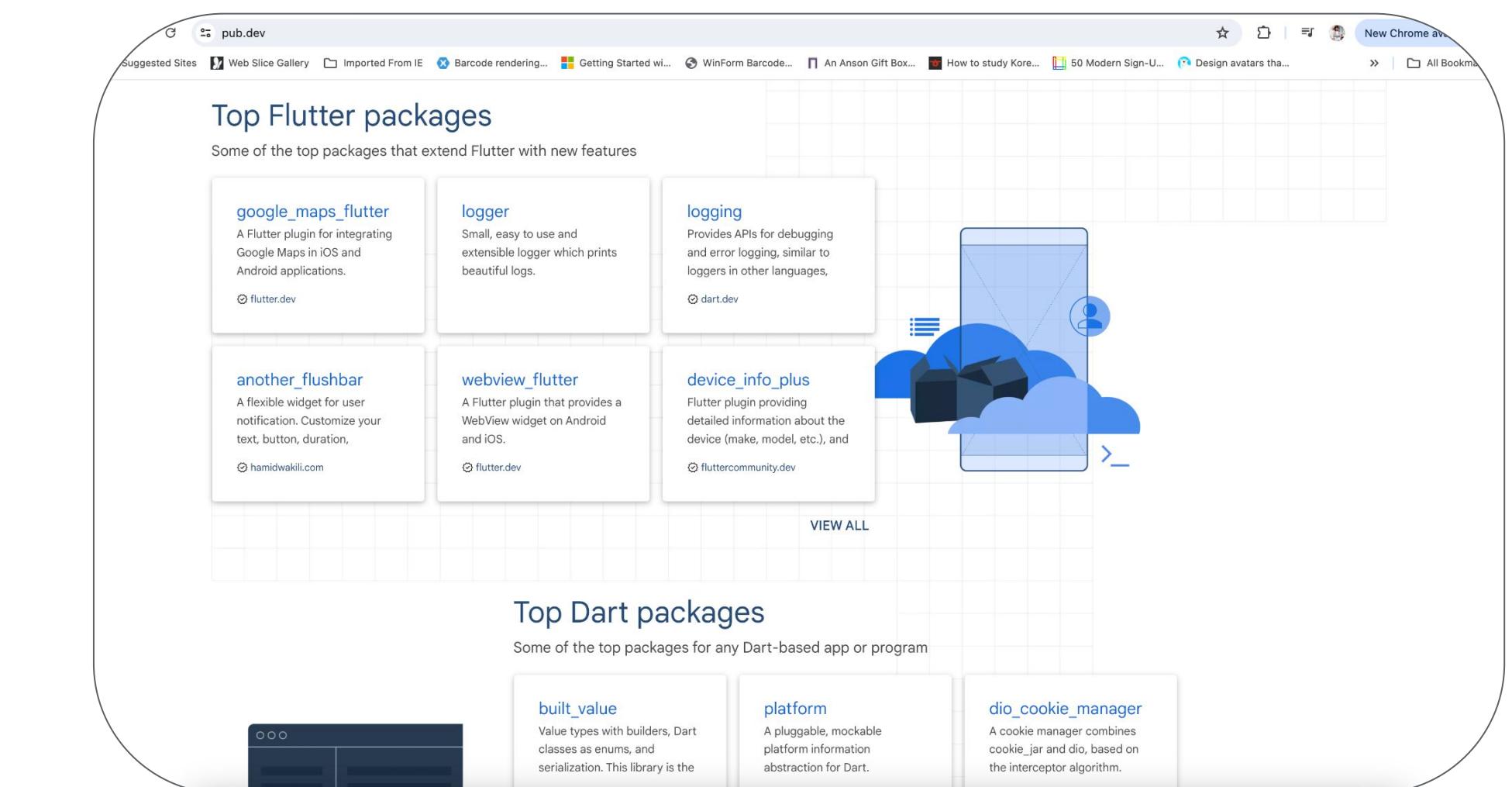
- Tens of thousands of Flutter & Dart packages we can use.
- Many database can be integrated into Flutter directly and easily. E.g. Firebase, Supabase, Objectbox, etc.

Firebase

<https://youtube.com/playlist?list=PLZQbl9Jhl-VBtLsFGDGXuhJSvAbwVuyPu&si=xraz2JWW6BAegDPT>

Objectbox

<https://youtube.com/playlist?list=PLZQbl9Jhl-VCUWJh3969Oxt8ykDzUIQMR&si=0XojdePYEv3QrH5x>





Back end using Dart

Back end using Dart

The advantages of building back end in Dart:

- Using only one language, that is Dart.
- Sharing code:
 - Time efficient.
 - Prevent unexpected bugs.

Back end options:

- Shelf
- Dart Frog
- Serverpod



```
class User {  
    final String name;  
  
    const User(this.name);  
  
    User fromJson(Map<String, dynamic> json)  
    {  
        return User(json['name']);  
    }  
  
    Map<String, dynamic> toJson() {  
        return {'name': name};  
    }  
}
```



Dart Frog

<https://youtube.com/playlist?list=PLZQbl9Jhl-VBAdrc7Rja8xjniWQJSenRs&si=KHOWsKZtnQridH0x>



Erico Darmawan Handoyo
Private Training & Online School 

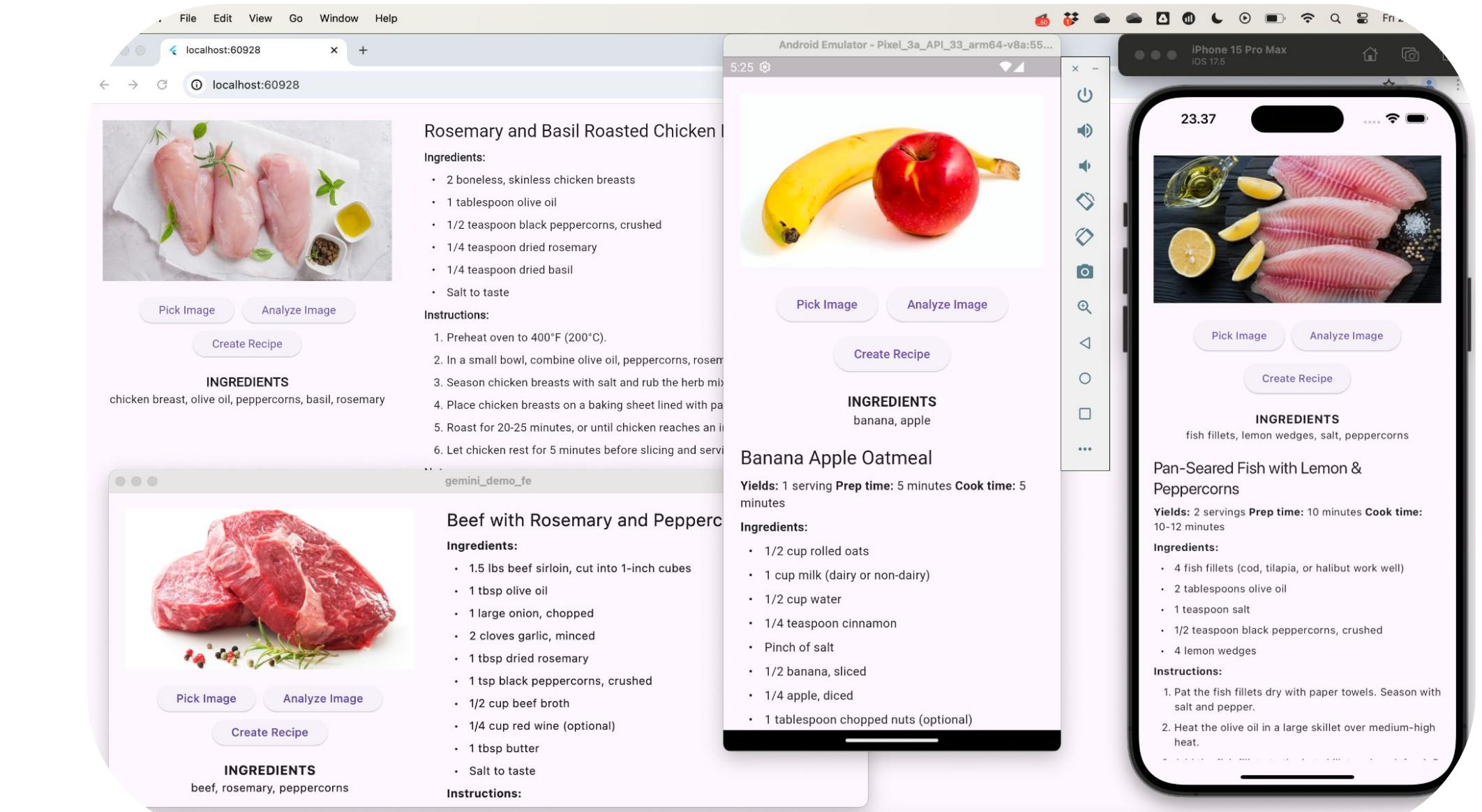
Demo App

Recipe Generator using Gemini AI

Front end : Android, iOS, Mac OS, Web

Back end : Dart Frog

deploy on globe.dev

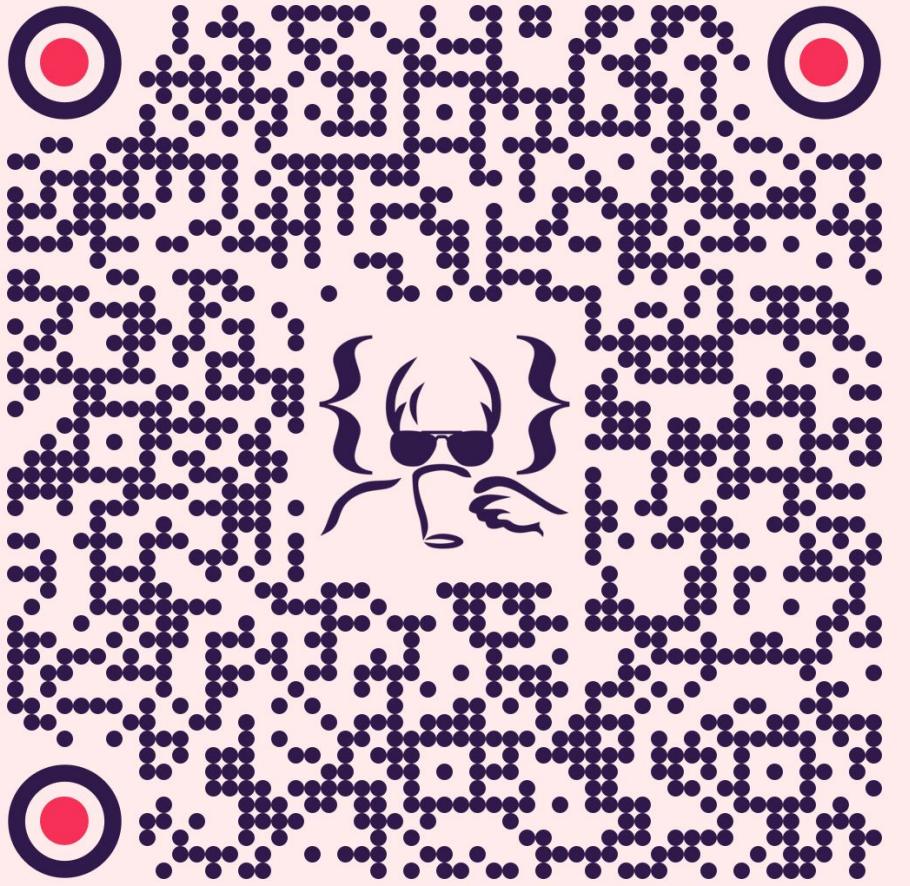


 **Flutter x Gemini AI**

<https://youtu.be/PkqV31mgAhs>



Thank You



youtube.com/@ericodarmawan



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ericodarmawan.com



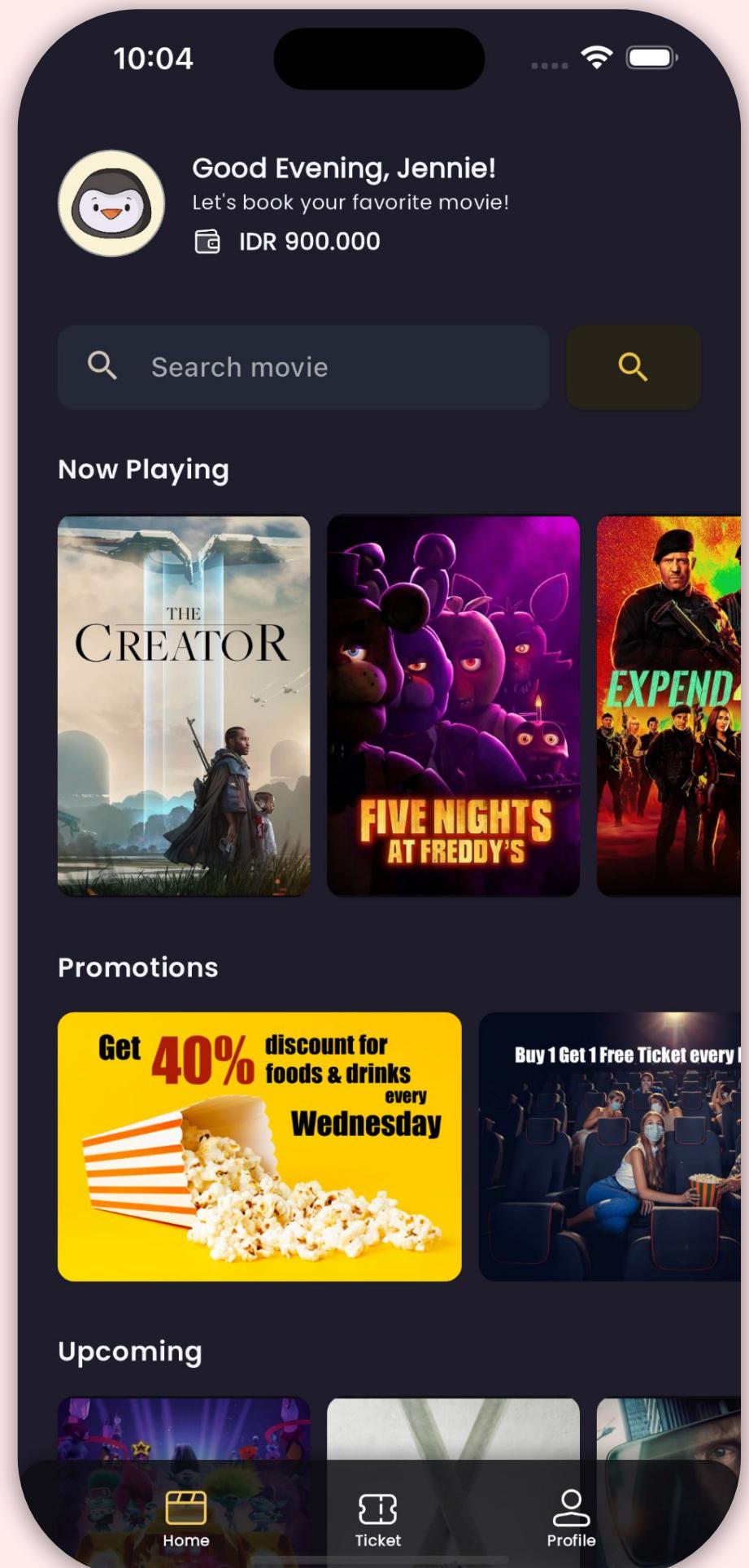
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- Separation of Concerns
- Clean Architecture
- Riverpod State Management
- Firebase Auth, Storage, & Firestore

~~IDR 399.000~~
IDR 199.000
27 - 31 Juli 2024

