Current technology and programming Language

1.Flutter

Flutter is Google's mobile app SDK, complete with a framework, widgets, and tools, that gives developers an easy way to build and deploy visually attractive, fast mobile apps on both **Android** and iOS platforms (official Flutter website). **Flutter** enables a smooth and easy cross-platform mobile app development.

- Is free and open source,
- Is based on Dart – a fast, object-oriented programming language which is in itself easy to learn,
- Provide its own widgets, drawn with its own high-performance rendering engine. They are fast, pretty, and customizable,
- Thanks to the rich widgets, Flutter apps look and feel great (you can create your own custom app design, but also use readily available UI elements following specific platforms' guidelines). Check out the article about Top Apps Made with Flutter
- The architecture of Flutter is based on the very popular reactive programming of today (the same that React has been made from)

Flutter consists of two important parts:

- An SDK (Software Development Kit): A collection of tools that are going to help you develop your applications. This includes tools to compile your code into native machine code (code for iOS and Android).
- A Framework (UI Library based on widgets): A collection of reusable UI elements (buttons, text inputs, sliders, and so on) that you can personalize for your own needs.

2. Java Springboot

Spring Boot provides a good platform for Java developers to develop a stand-alone and production-grade spring application that you can **just run**. You can get started with minimum configurations without the need for an entire Spring configuration setup.

Advantages

Spring Boot offers the following advantages to its developers −

- Easy to understand and develop spring applications
- Increases productivity
- Reduces the development time

Goals

Spring Boot is designed with the following goals −

- To avoid complex XML configuration in Spring
- To develop a production ready Spring applications in an easier way
- To reduce the development time and run the application independently
- Offer an easier way of getting started with the application

3. MySQL Database

MySQL is an open-source relational database management system (RDBMS) that can be easily implemented and managed either on-premise or via the cloud through a hosting provider. It supports lots of simultaneous writes and scales via replication (though this can get complicated). For this reason and because of its relatively low maintenance/scalability costs, it is primarily used as a production database.

Open source capabilities

MySQL was built as an open source solution, so it can be deployed on commodity hardware and scaled with predictable costs. MySQL's broad compatibility also means it can be switched out for a more tailored solution at any time (many competing transactional databases are MySQL compliant for this exact purpose).

High performance

MySQL is the database equivalent of the racecar that's stripped out rear seating to make it go faster. MySQL's developers made the decision to prioritize speed and performance over capabilities, which makes MySQL a faster, albeit more limited database than other providers in transactional database category.

Availability and scalability

MySQL's ability to be replicated and distributed for high availability and scalability is extremely powerful. It must be noted however, that higher levels of availability and scalability must be balanced out by higher complexity and costs.