

Interview Questions (Junior Full-Stack)

1.What do you think about QA responsible

QA work is focus on quality of software product. Technology skills and people skills are required because they have to communicate between developers and users especially users. Furthermore business mindset is required too because they must understand users business model to communicate with develop team for the best quality of software product.

2.CL/CD

2.1 Why almost company used

Because software development required more efficiency, speed and more flexible.

In this term flexible is flexible to solve user solution.

2.2 How is important

- It's have more reliable and less bug source code with testing and building process (Continuous Integration)
- Have approver examine before deploy software (Continuous Delivery)
- Can software deploy to servers automatically after CI (Continuous Deployment)

3. Please explain or let us know your opinions few programming paradigms (Picks 4 topics at least)

OOP vs. Functional Programming

TDD

Clean Code

Smell Code

SOLID

Design Pattern

Mini waterfall vs. Agile

SRE

Domain-Driven Development

OOP vs. Functional Programming

Functional Programming is better in complicated work because it avoids changing state and mutable. Main characteristic is No side effect (with global and static variable), have at least 1 parameter and usually return something.

OOP is a programming paradigm that using object to represent things. It's is good for back-ends part because data encapsulation that prevent secret data access while the data pass to others section.

TDD (Test Driven Development)

It's a software development approach in which test case are develop to specify and validate what code will do. In simple terms, test case for each functionality are create and tested first and if the test fails then the new code is written in order to pass the test and making code simple and bug-free.

Clean Code

It's is code that is easy to understand and easy to change.

Easy to understand, for examples it easy to understand execution on flows of the entire application, what each method does etc.

Easy to change for example classes and methods are small and only have single responsibility or predictable and work as expected.

Code smell

Code smells are not bug or errors. There are absolute violations of the fundamentals of developing software that decrease code quality for example Bloaters, there are long methods or large classes that hard to work with.

4. Suggest tools you already used or Interested. Explain how it working?

Firebase

It's platform that design to be API and Cloud storage for Realtime Application. It support many platform such as IOS app, Android app and Web app etc.

XAMPP

It's cross-platform that can operate on windows, OS and Linux. It's included with Apache, MySQL, PHP and Perl. It's platform to establish server for web develop or testing.

Visual Studio extension: Live share extension pack

It's Visual code studio extension that enable developers to collaboratively editing and debugging in realtime.