**FRONT END**

• What is front end?

The part of a website that the user interacts with directly is termed the front end. It is also referred to as the ‘client side’ of the application. It includes everything that users experience directly: text colors and styles, images, graphs and tables, buttons, colors, and navigation menu.

• Front End Technologies?

• HTML (structure and content of page)

• CSS (skin and colour of page)

• JAVASCRIPT (interactions how page moves)

• Common Front End tasks?

• Company Page updates

• New layouts

• Mobile design

• Website performance

• Content Management systems

• Drupal

• Wordpress

• Libraries and Frameworks

• React

• Angular

• VUE

• Why front end is important?

• Brand Association

• Building the bridge between customer and a product/service.

• Tarnishes brand or repels customers.

• Front end technologies used by

**NETFLIX** –

The user friendly interfaces of Netflix are promised by **Reactjs**, the JavaScript UI library. It uses **NodeJS** as a framework and WinJS to facilitate the development of its Windows application.

**FLIPKART–**

**ReactJS** is used as their *front end* framework.

**TWITTER-**

The new browser-**based UI is developed on React**, with the server-side handled by Node.

**YOUTUBE-**

Today the main languages behind YouTube are **Python, JavaScript, HTML5, Go, Java, C++, and C**

**GOOGLE-**

**Angular**. One of the most powerful, efficient, and open-source JavaScript frameworks is Angular. Google operates this framework and is implemented to use for developing a Single Page Application (SPA)

**Which front end framework can be used for large-scale applications?**

**Answer:** Currently, there are 3 significant frontend technology stacks – Vue. JS, React. JS, and Angular ecosystem which are extensively used for large scale projects.

**Which front end framework can be used for small web applications?**

**Answer:** We would recommend JavaScript and JQuery for small web application projects.

**Which front end frameworks are easier?**

**Answer:** React is easy to collaborate and learn. Vue can manage processes effortlessly and Backbonejs is quite easy to learn.

React Js

**Applications**  
React is mostly used for developing single-page applications. However, it is a framework specifically used for User Interface development. It comes in quite handy when you require building an interactive interface for an application within a limited time because you can reuse the components in this framework.

**Where can you not use React?**  
JSX is pretty tough when it comes to learning. Therefore, if you are a new developer, it’s recommended not to use React. Secondly, the knowledge of JavaScript is necessary for using React. In case you don’t know JavaScript, React is not the go-to option for you.

Angular

**Applications**  
Angular is the go-to option for most enterprise-based and dynamic web applications due to its two-way data binding that allows browser-based applications to augment.

**When Can you not use Angular?**  
Angular is the complete dynamic solution as a Framework. Thus, if you want to build small-scale web applications, you may not want to opt for angular because you would not utilize its resources to the best. It would merely be a misuse of time and resources. Furthermore, if you are a new developer with a small team, you should avoid using the complex Frameworks like Angular.

VueJs

**Applications –**  
VueJs is suggested to be used for projects that need greater flexibility. You can design everything from scratch and therefore allows designing dynamic applications with more ease.

**When not to use –**  
Despite having a wide range of features, VueJs is still not successful in creating stable components. Another reason why you wouldn’t want to opt for VueJs is if you’re looking for a community where you can seek help if you face any hurdles.

JQuery

**Applications –**   
If you want to develop desktop-based javascript applications, JQuery is a go-to option.

**When not to use?**  
JQuery is not suggested for building large-scale applications because the excess javascript code might make your application heavy.

EmberJs

**Applications –**  
Modern applications focused on deploying a rich user interface use EmberJs. Companies like Linkedin and Apple use it.

**When not to use –**  
EmberJs is not a preferable Framework for developing smaller applications because a lot of its resources won’t even be utilized. If you have a small team of developers, try to avoid using Ember because its initial cost is high, and it may not be the right choice for creating a simple user interface.