



# Etiquettes to crack the FSD interviews and Road Map to Reach High Pay Employability

- General Instructions
- The Roles, Responsibilities, and Career Opportunities.
- Trending Tools and Tech Stack for upskilling
- What Industry demands on you vs Market
- How to brand yourself
- Problem solving
- Tech stack
- Why FSD
- Culture Fit and Ethics
- Projects and Portfolio

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**CTO**  
**(Chief Technological**  
**Officer)**

```
graph TD; CTO[CTO (Chief Technological Officer)] --> VPE[VP of Engineering]; VPE --> EM[Engineering Manager]; EM --> TL[Team Lead]; TL --> Coder[Coder]
```

**VP of Engineering**

**Engineering**  
**Manager**

**Team Lead**

**Coder**

There is no age restriction to jump from one stage to other. It's all about understanding, more you understand the pattern , more you fly high.

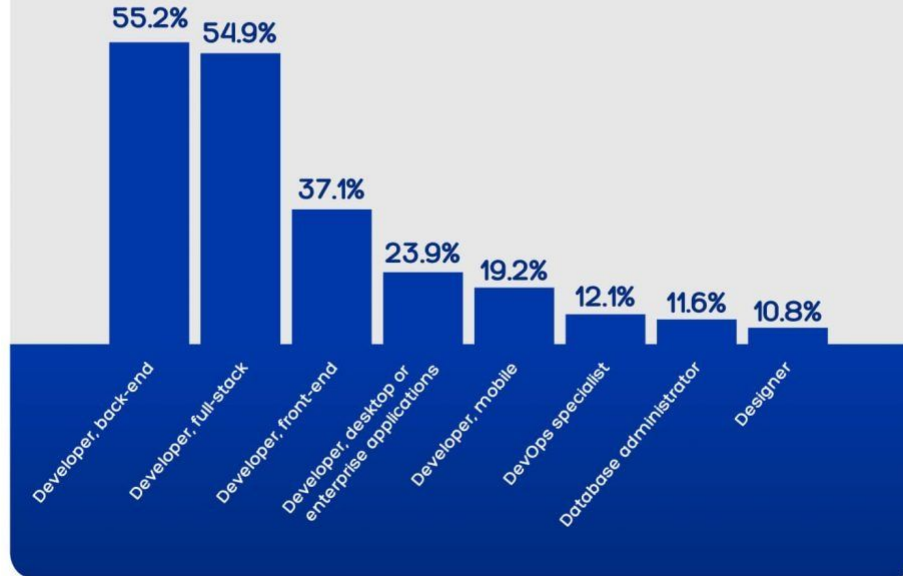


## FULL-STACK DEVELOPMENT



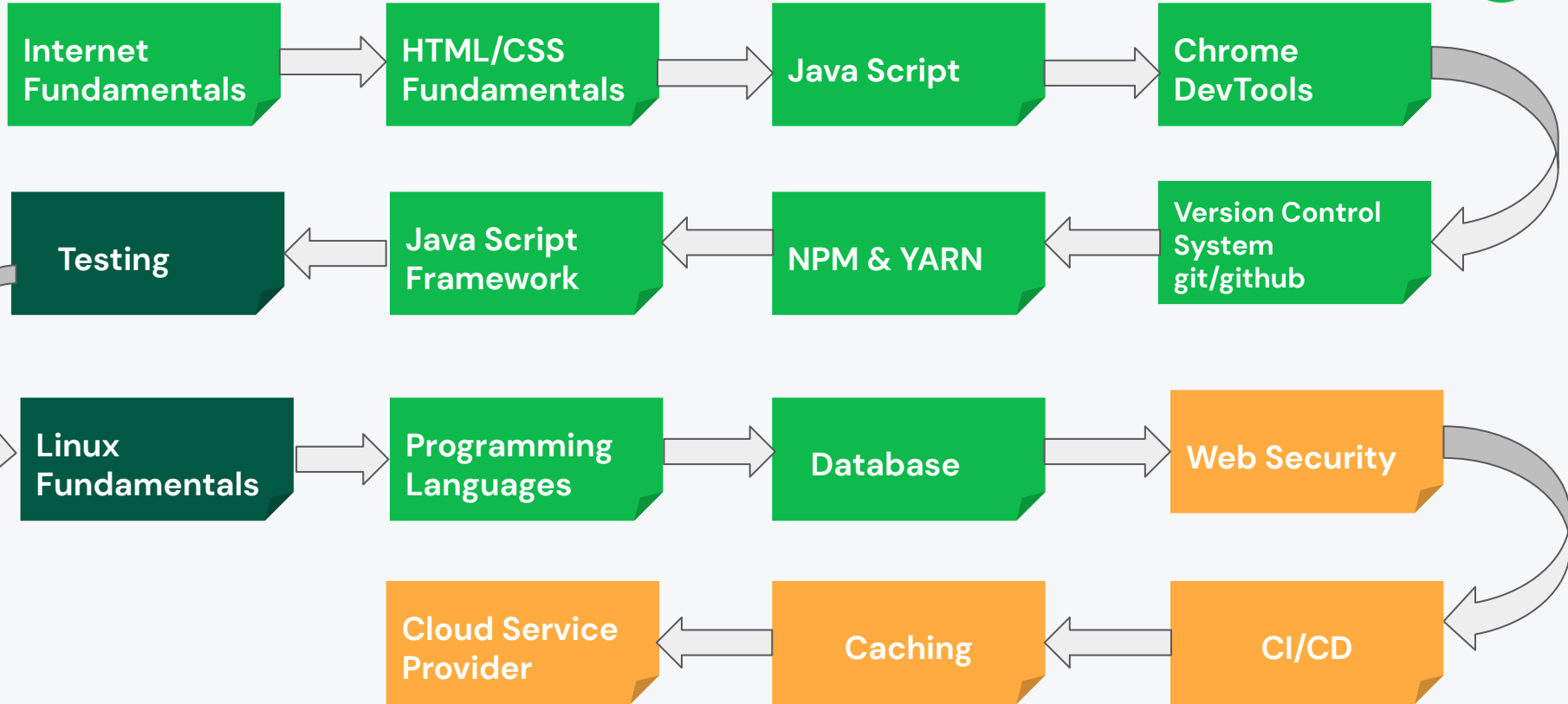
# How Developers Identify Their Roles

Developers self-identify with the following job roles:



UX Developer  
UI Developer  
Front End Developer  
Back End Developer  
Devops Specialist  
DB Administrator

# FSD Road Map



# Step by Step FSD Learning



What to learn  
before FSD  
developer

Git Version Control  
HTML  
CSS  
Bootstrap  
JavaScript, Database  
Programming  
NPM Ecosystem  
How to Deploy, Host, and Make  
your App Public:

What to learn as a  
beginner to FSD

Set Up your Development  
Environment  
Learn about JSX  
Learn about React Components  
State and Props in React  
Lists and Keys in React  
Life Cycle Methods in React  
MYSQL & MongoDB

How to move as a  
beginner to  
intermediate FSD  
developer

Styling in React  
Form Handling in React  
Data Handling in React  
Reconciliation Process in React  
React Hooks  
Custom React Hooks  
Context in React  
Node JS Libraries  
NPM Packages  
Express JS

Lazy Loading in React  
Portals in React  
State Management in React  
Routing in React  
Theming in React  
Patterns in React  
Anti-Patterns in React  
Linux Administration  
Testing Skills

How to move as a  
intermediate to  
Advanced FSD  
developer

Introduction to API  
using API - AXIOS / Fetch  
Usage of React Memo call  
Wapping Lazy Loading by Using  
Suspense Components  
Diffing Algorithm  
Bundlers - Webpack - Grunt -  
Browserify  
React Mixins  
React Helmet  
React Fiber  
React Portal  
CI/CD  
Cloud Skills  
Deployment skills

Who is Advanced  
FSD developer

# Javascript is the NO. 1 Programming Language

- Console Application
- Web & Mobile Application
- IOT
- Computer Vision
- Games
- Data Science
- Cloud Deployment

Freshers – 2 Years  
Experience  
4 Lakhs – 20 Lakhs



# Strategies to Crack a FSD Interview

- HTML CSS
- Javascript Programming & Problem solving – Using Built in Functions & ES6
- API Calls – Useeffect(),axios(),fetch(),query builder
- MYSQL and Mongodb Querying
- Node JS Libraries
- Framework Knowledge

# ES6 Features

- **let and const Keywords**
- **Arrow Functions**
- **Multi-line Strings**
- **Default Parameters**
- **Template Literals**

- **Destructuring Assignment**
- **Enhanced Object Literals**
- **Promises**
- **Classes**
- **Modules**

Reference : [www.boardinfinity.com/blog/top-10-features-of-es6/#1-let-and-const-keywords-](http://www.boardinfinity.com/blog/top-10-features-of-es6/#1-let-and-const-keywords-)

# ES7 Features

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Exponentiation Operator</li><li>• Async functions</li><li>• Async generators</li><li>• Object.getOwnPropertyDescriptors</li><li>• Object.values</li><li>• Object.entries</li><li>• Array.prototype.includes</li><li>• Typed Objects</li><li>• Trailing commas in function syntax.</li><li>• Class decorators.</li><li>• Class properties</li><li>• Map.prototype.toJSON</li></ul> | <ul style="list-style-type: none"><li>• Set.prototype.toJSON</li><li>• String.prototype.at</li><li>• Object rest properties</li><li>• Object spread properties</li><li>• String.prototype.padLeft</li><li>• String.prototype.padRight</li><li>• String.prototype.trimLeft</li><li>• String.prototype.trimRight</li><li>• RegExp.escape</li><li>• Bind Operator</li><li>• Reflect.Realm</li></ul> |
|---|--|

Reference : <https://github.com/vendethiel/es7-features#arrayprototypeincludes>

# Built-in Functions - JS

<b>Number Methods :</b>	<b>Boolean Methods :</b>	<b>String Methods :</b>	
<ul style="list-style-type: none"><li>• constructor()</li><li>• toExponential()</li><li>• toFixed()</li><li>• toLocaleString()</li><li>• toPrecision()</li><li>• toString()</li><li>• valueOf()</li></ul>	<ul style="list-style-type: none"><li>• toSource()</li><li>• toString()</li><li>• valueOf()</li></ul>	<ul style="list-style-type: none"><li>• charAt()</li><li>• charCodeAt()</li><li>• concat()</li><li>• indexOf()</li><li>• lastIndexOf()</li><li>• localeCompare()</li><li>• length()</li><li>• match()</li><li>• replace()</li><li>• search()</li><li>• slice()</li></ul>	<ul style="list-style-type: none"><li>• split()</li><li>• substr()</li><li>• substring()</li><li>• toLocaleLowerCase()</li><li>• toLocaleUpperCase()</li><li>• toLowerCase()</li><li>• toString()</li><li>• toUpperCase()</li><li>• valueOf()</li></ul>

## String HTML wrappers

```
anchor()  
big()  
blink()  
bold()  
fixed()  
fontcolor()  
fontsize()  
italics()  
link()  
small()  
strike()  
sub()  
sup()
```

## Array Methods

<ul style="list-style-type: none"><li>concat()</li><li>every()</li><li>filter()</li><li>forEach()</li><li>indexOf()</li><li>join()</li><li>lastIndexOf()</li><li>map()</li><li>pop()</li><li>push()</li></ul>	<ul style="list-style-type: none"><li>reduce()</li><li>reduceRight()</li><li>reverse()</li><li>shift()</li><li>slice()</li><li>some()</li><li>toSource()</li><li>sort()</li><li>splice()</li><li>toString()</li><li>unshift()</li></ul>
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# Date Methods

Date()  
getDate()  
getDay()  
getFullYear()  
getHours()  
getMilliseconds()  
getMinutes()  
getMonth()  
getSeconds()  
getTime()  
getTimezoneOffset()  
getUTCDate()  
getUTCDay()  
getUTCFullYear()  
getUTCHours()  
getUTCMilliseconds()  
getUTCMinutes()  
getUTCMonth()  
getUTCSeconds()  
getYear()

setDate()  
setFullYear()  
setHours()  
setMilliseconds()  
setMinutes()  
setMonth()  
setSeconds()  
setTime()  
setUTCDate()  
setUTCFullYear()  
setUTCHours()  
setUTCMilliseconds()  
setUTCMinutes()  
setUTCMonth()  
setUTCSeconds()  
setYear()

toDateString()  
toGMTString()  
toLocaleDateString()  
toLocaleFormat()  
toLocaleString()  
toLocaleTimeString()  
toSource()  
toString()  
toTimeString()  
toUTCString()  
valueOf()

## **Date Static Methods**

Date.parse( )  
Date.UTC( )

## Math Methods

```
abs()  
acos()  
asin()  
atan()  
atan2()  
ceil()  
cos()  
exp()  
floor()  
log()  
max()  
min()  
pow()  
random()  
round()  
sin()  
sqrt()  
tan()  
toSource()
```



# RegExp Methods

```
exec()  
test()  
toSource()  
toString()
```

# React Core Components

React Hooks - State Hook - Effect Hook - ESLint Plugin - Building Own Hooks

`{useState, useEffect, useReducer, useContext}`

## State Management

- **Most Popularly Used Redux, MobX, and the built-in Context API**

## State Management with libraries

- **Recoil - Jotai - Redux - Rematch - Zustand - Hook State**

# API Calls

## Front End API Calls

Web API calls - **get** - **post** - **delete** - **patch**

Using Promises - **async & await**

Call The API with **Fetch** - Call The API with **Axios**

## Back End API Calls

Node JS - **HTTP** - **Request** - **AXIOS** - **Super Agent** - **Got** - Back End

# NODE JS - Libraries

- Express JS
- CORS
- Multer
- Socket io
- Body Parser
- Moongose
- Jest
- validator
- JSDoc
- Node Mailer
- AXIOS
- MORGON

- passport
- dotenv
- http
- tillio
- Mailchimp
- Sendgrid
- Lodash
- Libuv
- Moment
- geo-ip
- request-ip

# MYSQL & MONGODB

## **Know to use MYSQL - Raw Queries**

- Using Prefetched Queries using MYSQL
- Using Prefetched Queries using Mongo

## **Other Things to concentrate :**

Basic System Design - DB Design

# Skill Set

Mathematical Ability


Problem-solving skills

Creativity & Innovation

Interpersonal skills.

Commercial awareness



A piece of white, lined paper with a torn, deckled edge is placed on a dark brown wooden surface. The paper has four punch holes on its left side. The words "Attitude is everything" are written in a black, cursive script. "Attitude" is on the top line, "is" is smaller and positioned between the first and second lines, and "everything" spans the second and third lines.

Attitude  
is  
everything





# Ethics

**Capability  
to review  
something  
and saying  
this is right  
Or wrong**

**Concern & respect for others**

**Design for privacy, security and integrity**

**Honesty & trust worthy**

**Ensure the responsibilities and opportunities**

**Commitment to excellence & accountability**

**Know to  
Say “NO”  
in  
Corporate**









# We're done!

Thank you for  
participating.  
Have a great day  
ahead.