**XT-BootCamp**

XT Candidates appearing for any of the screening processess should have a good understanding of the following topics:

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*ProTip:*

IT

*The purpose of nearly all screenings is for the interviewer to feel comfortable with you.. so feel free to divert the conversation towards topics and areas you are more comfortable with. Tell the interviewer of things you know.. and not just answer*

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JavaScript Fundamentals:

* Closures
* Constructors
* Difference between sync and async ( Promise vs  Promise.all)
* Event Loop,  Heap, Queue, & Stacks
* Sorting Array of Objects
* Map, Reduce, Filters
* OOPs concepts in contrast to Javascript
* Prototypes
* **apply**, **call** and **bind**

ES6:

* Template literals
* Destructuring
* Arrow functions and scope
* const & let
* Promises
* Classes
* Modules
* Default Parameters

Accessibility:

* Refer to AA guidelines.
* Keyboard navigation
* color contrast
* screenreaders

React:

* Life Cycle Hooks
* Stateful and Stateless Components
* Higher Order Components
* Difference between Ref and ForwardRef
* React Router
* React 16.7 new features ( lazy, memo, Suspense etc)
* Performance Techniques
* Code Splitting / Chunking
* Unnecessary Re-rendering
* Functional vs Class Components
* Rendering Performance
* Tree Shaking

NodeJS:

* Performance tuning on server side
* Setting up a server with express from scratch
* Creating Rest APIs

Security:

* What is XSS and how do you prevent it
* What is CSRF (Cross-Site Request Forgery) and how to prevent it

CSS:

* Media Queries
* Flex Box ( making divs of same height)
* SASS / CSS in JS
* Styled Components

CI & CD (good to know)

* Jenkins basics
* Docker basics
* AWS / Azure basics