

Interviewee: [REDACTED]

Undergraduate [REDACTED]

[REDACTED]

JS experience: 3 years

Other languages: Java, C

Builds new and maintains components.

**JS Pros:** Dynamic and versatile. Learning curve (At least for React) not too steep. In comparison to Java, it is easier to learn.

**JS Cons:** JS's dynamic typing gives too much power to programmers, and this can be a problem. Security issues become a concern.

**Do you think JS leads to hard-to-understand code?** Provided that you understand its syntax and the frameworks. But all the versatility and flexibility, depending on the programmer, it can be difficult to understand problems. Abstractions can make it difficult to understand what happens under the hood.

**Any JS construct that can be particularly difficult to understand?** Certainly. `reduce()` is very complicated. Excessive nesting (e.g. nested if-else statements) can be complicated, and should be broken into separate functions.

Atom	Preferred version
Arithmetic as Logic	Without atom
Assignment as Value	With atom
Automatic Semicolon Insertion	Without atom
Comma Operator	Without atom
Ternary operator	With atom
Implicit predicate	Without atom
Logic as Control Flow	Without atom
Omitted Curly Braces and Indentation	Without atom
Post Increment	Without atom
Pre Increment*	Without atom

\*This programmer is willing to sacrifice elegance for legibility.

**Any relevant remarks about JS?** Multiple variable declarations in the same line can make it quite confusing to understand code. Matrix declaration and operations in JS is not nice. JS became a very important language because it solves a lot of the problems we have. Community support is excellent in JS (Stack Overflow). Abundance of frameworks make

front-end development very easy. Rapid language to prototype and test. Even for Data Science, JS now has very good libraries.