

# Month 1: Daily Plan for Senior Front-End Engineer

This plan includes core JavaScript learning, daily coding tasks, and one DSA problem (Array/String-based) each day from easy to medium level.

Day	JS Topic	Coding Task	DSA Question
1	Scope, Hoisting	Write custom bind()	Reverse a String
2	`this`, call/apply	Write custom call()	Find Max Element in Array
3	Closures	Write counter using closure	Move Zeroes to End
4	Block/Function Scope	Simulate block scope	Two Sum
5	Execution Context	Visualize EC stack	Contains Duplicate
6	let vs var vs const	Code quiz from scratch	Merge Two Sorted Arrays
7	Review	Build flashcards app	Intersection of Two Arrays
8	Prototype chain	Build prototype chain	Valid Anagram
9	Object.create	Recreate inheritance	Group Anagrams
10	`instanceof`, `new`	Custom new operator	Remove Duplicates (Sorted Array)
11	Event loop basics	SetTimeout/Interval tests	Merge Intervals
12	Micro/Macrotasks	Promise scheduler	Longest Common Prefix
13	Promises Deep Dive	Custom Promise class	Best Time to Buy/Sell Stock
14	Review	Refactor async app	Subarray Sum Equals K
15	Async/Await	Convert Promises	Rotate Array
16	debounce/throttle	Write throttle wrapper	Max Consecutive Ones
17	ES6: spread, rest	Clone deeply	Product of Array Except Self
18	ES6: destructuring	Destructure example	Valid Palindrome
19	Arrays & objects	Custom map/filter	3Sum
20	Memory Leaks	Leak & fix code	Container With Most Water
21	Review	Mini JS app	Longest Substring Without Repeat
22	Closures Recap	Memoize Fibonacci	Palindrome Substrings
23	Hoisting Recap	Debug hoisting	Longest Palindromic Substring
24	DOM & Events Intro	DOM toggle task	Find All Duplicates in Array
25	Event Delegation	Click handler	Encode and Decode Strings
26	Storage API Intro	local/sessionStorage	Check Isomorphic Strings
27	JS Quiz Day	10 interview Qs	Minimum Window Substring

28	Final Review	JS utilities project	Sliding Window Max
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