

Introduction to JavaScript

By the Level Up Academy

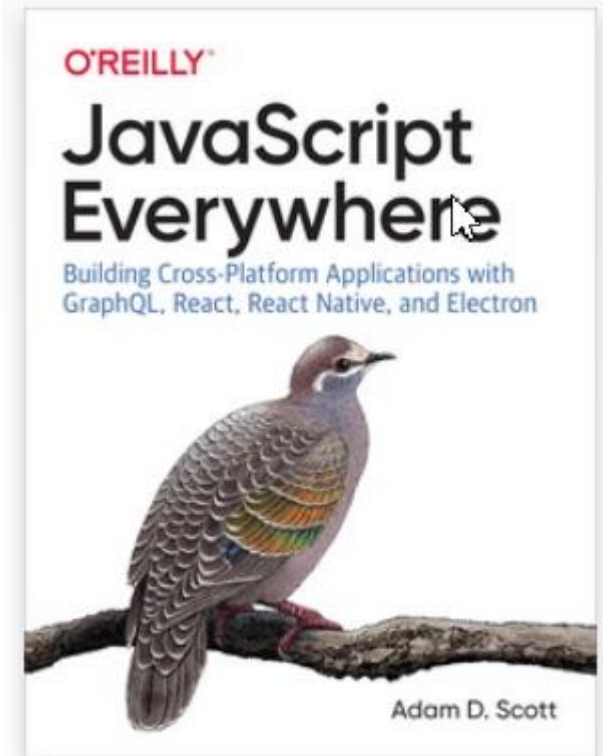


Your decision to learn JavaScript is an excellent one!

- We're super excited to welcome you to our course in JavaScript!
- You'll learn how ubiquitous the language is, how powerful it is and how to wield this power for your own purposes!

JavaScript is Everywhere!

“JavaScript is the little scripting language that could. Once used chiefly to add interactivity to web browser windows, JavaScript is now a primary building block of powerful and robust applications.”



JavaScript runs in your web browser, on servers, in mobile apps, on your desktop ...



Web



Server

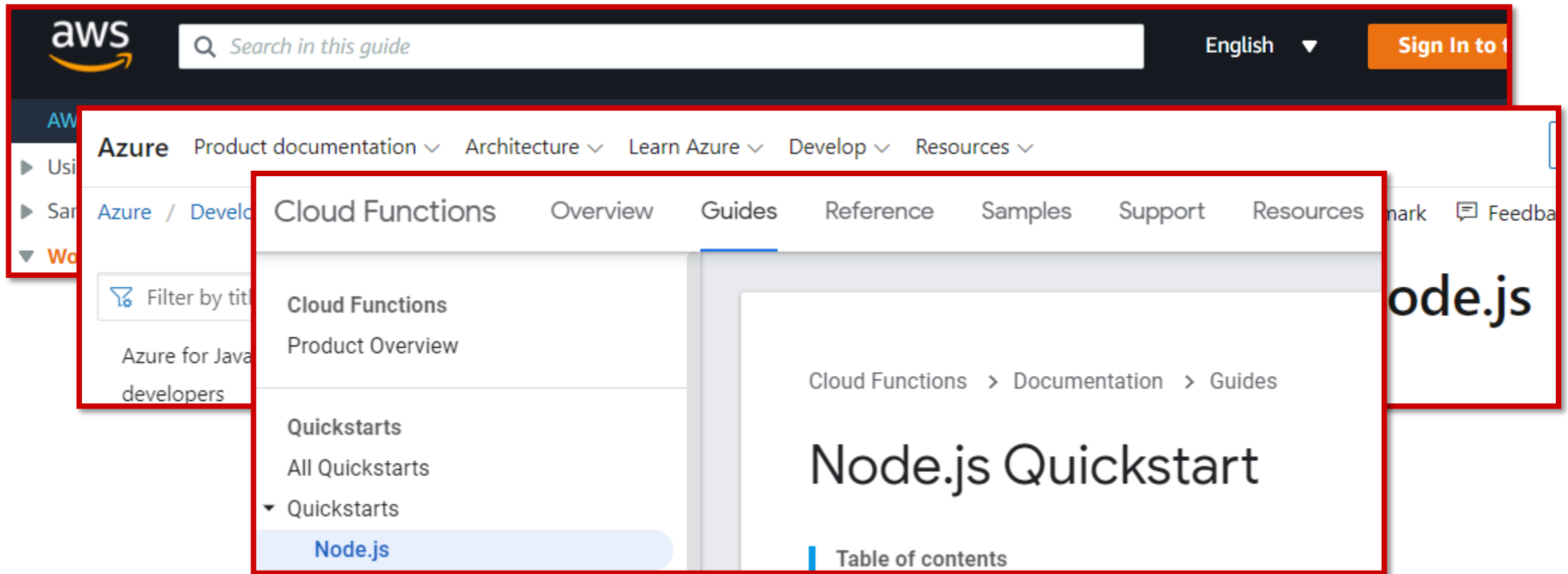


Mobile



Desktop

... in the cloud (serverless offerings) ...



The screenshot displays the AWS Cloud Functions documentation page for a Node.js quickstart. The interface includes a top navigation bar with the AWS logo, a search bar, and language/sign-in options. A secondary navigation bar lists various documentation categories. The main content area features a sidebar with a filter menu and a list of quickstart topics, with 'Node.js' selected. The main panel shows the 'Node.js Quickstart' title and a 'Table of contents' link. The page is framed by red borders, highlighting the navigation and content areas.

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Node.js Quickstart


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... and even inside some databases!

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triggers, and UDLs


Write stored procedures and triggers with JavaScript query API

How to write stored procedures and triggers in Azure Cosmos DB by using the JavaScript query API

JavaScript has some quirks, however ...

Transitivity? What's That?

- `' ' == '0'` // false
- `0 == ' '` // true
- `0 == '0'` // true
- `false == 'false'` // false
- `false == '0'` // true
- `false == undefined` // false
- `false == null` // false
- `null == undefined` // true
- `" \t\r\n " == 0` // true



Truthy and Falsy

In JavaScript, a **truthy** value is a value that is considered `true` when encountered in a `Boolean` context. All values are truthy unless they are defined as `falsey` (i.e., except for `false`, `0`, `-0`, `0n`, `""`, `null`, `undefined`, and `NaN`).

JavaScript uses type coercion in Boolean contexts.

But ...



We'll work through the quirks together and get comfortable with the language in no time at all!

The Plan (subject to change; give us feedback)

- Week 1 - Basic Syntax
- Week 2 - Objects
- Week 3 - The DOM
- Week 4 - Closures
- Week 5 - Working with Arrays
- Week 6 - Fetching data
- Week 7 - NPM

