



## Data Structures and Algorithms with JavaScript

By Michael McMillan

O'Reilly Media, Inc, USA. Paperback. Book Condition: new. BRAND NEW, Data Structures and Algorithms with JavaScript, Michael McMillan, As an experienced JavaScript developer moving to server-side programming, you need to implement classic data structures and algorithms associated with conventional object-oriented languages like C# and Java. This practical guide shows you how to work hands-on with a variety of storage mechanisms - including linked lists, stacks, queues, and graphs - within the constraints of the JavaScript environment. Determine which data structures and algorithms are most appropriate for the problems you're trying to solve, and understand the tradeoffs when using them in a JavaScript program. An overview of the JavaScript features used throughout the book is also included. This book covers: Arrays and lists: the most common data structures Stacks and queues: more complex list-like data structures Linked lists: how they overcome the shortcomings of arrays Dictionaries: storing data as key-value pairs Hashing: good for quick insertion and retrieval Sets: useful for storing unique elements that appear only once Binary Trees: storing data in a hierarchical manner Graphs and graph algorithms: ideal for modeling networks Algorithms: including those that help you sort or search data Advanced algorithms: dynamic programming and greedy algorithms.



**READ ONLINE**  
[ 8.5 MB ]

### Reviews

*Here is the best ebook i actually have go through until now. It really is simplistic but shocks within the fifty percent in the ebook. Your daily life period will probably be transform once you total reading this book.*

*-- Elaina Funk*

*These kinds of pdf is the ideal ebook accessible. Of course, it is actually play, nevertheless an interesting and amazing literature. I realized this publication from my i and dad suggested this book to find out.*

*-- Ms. Ruth Wisozk*