



# Mastering ArcGIS Server Development with JavaScript

By Ken Doman

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**Mastering ArcGIS Server Development with JavaScript** By Ken Doman

**Transform maps and raw data into full-fledged web mapping applications using the power of the ArcGIS JavaScript API and JavaScript libraries**

## About This Book

- Create and share modern map applications for desktops, tablets, and mobile browsers
- Present and edit geographic and related data through maps, charts, graphs, and more
- Learn the tools, tips, and tricks made available through the API and related libraries with examples of real-world applications

## Who This Book Is For

This book is intended for intermediate developers who want to design web mapping applications. You should have some experience with geographic information systems, especially with ArcGIS products such as ArcGIS Server. It also helps to have some experience with HTML, CSS, and JavaScript.

## What You Will Learn

- Create single-page mapping applications, lining up data from different sources
- Search for and display geographic and tabular information based on locations and attributes
- Customize maps and widgets to deliver the best user experience
- Present location data intuitively using charts and graphs
- Integrate mapping applications with your favorite JavaScript frameworks
- Test the working of your web map application and take advantage of cloud services such as ArcGIS Online
- Create modern-looking web maps through styling tips and tricks

## In Detail

ESRI and its ArcGIS line of software have been an industry leader in digital map production and publication for over 30 years. ArcGIS Server lets you design, configure, and publish maps that can be viewed and edited through the Internet.

After designing basic maps, you may want to find out new and innovative ways to represent information using these maps. In this book, you'll work through practical examples, experiencing the pitfalls and successes of creating desktop and mobile map applications for a web browser using the ArcGIS Server platform.

The book begins by introducing you to ArcGIS Server and ESRI's JavaScript API. You'll work with your first web map and then move on to learn about ESRI's building blocks. A Dojo AMS style widget will help you create your own widgets for a map and then see how to collect geographic data.

Furthermore, you will learn different techniques such as using Dojo Charts to create charts and graphs to represent your data. Then you will see how to use ESRI JavaScript API with other JavaScript libraries and different styling methods to make your map stand out. By the end of the book, you will discover how to make your application compatible with different devices and platforms and test it using testing libraries.

## Style and approach

An in-depth guide that explores web application development using ArcGIS Server and the ArcGIS JavaScript API. Topics are explained in the context of developing two applications for fictional clients. Details of application development, including possible pitfalls and best practices, are included in this book.

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### Editorial Review

About the Author

#### Ken Doman

Ken Doman has worked in the geographic information system field since 2007. In his first GIS job, he was given a stack of maps, some AutoCAD data, and a shoe box full of address notes and was told to make a web-accessible GIS application out of them. Since then, he has strived to make geographic data available and easily accessible over the Internet. He is an ESRI certified web application developer and has created many public web applications using ArcGIS software. Currently, Ken works for Bruce Harris & Associates, Inc., a mapping and custom development company that specializes in land records and ESRI software solutions. There, he creates custom web, desktop, and mobile applications using JavaScript, .NET, and ArcGIS software. He has also been a book reviewer for Building Web and Mobile ArcGIS Server Applications with JavaScript, Packt Publishing by Eric Pimpler and ArcGIS for Desktop Cookbook, Packt Publishing by Daniela Cristiana Docan. You can learn more about Ken at <http://raykendo.com>.

### Users Review

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#### Jeff Puckett:

The knowledge that you get from Mastering ArcGIS Server Development with JavaScript is the more deep you searching the information that hide inside the words the more you get interested in reading it. It does not mean that this book is hard to know but Mastering ArcGIS Server Development with JavaScript giving you buzz feeling of reading. The article author conveys their point in selected way that can be understood by simply anyone who read this because the author of this e-book is well-known enough. This specific book also makes your vocabulary increase well. Making it easy to understand then can go together with you, both in printed or e-book style are available. We propose you for having this specific Mastering ArcGIS Server Development with JavaScript instantly.

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**Rose Duprey:**

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