

ArcGIS for JavaScript Developers by Example

By Jayakrishnan Vijayaraghavan, Yogesh Dhanapal

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Key Features

- Unshackle your GIS application from a workstation! Get running with three major web mapping projects covering all the important aspects of the ArcGIS JavaScript API.
- Set a strong foundation for the ArcGIS JavaScript API and modular coding with dojo.
- Gain a crystal clear understanding of the ArcGIS JavaScript, and become skilled in creating exciting and interesting geospatial apps.

Book Description

The book starts by explaining the basics of the ArcGIS web mapping ecosystem. The book walks you through the development of six major applications, covering a wide variety of topics such as querying, rendering, advanced data visualization and performing map analytics. It also emphasizes on writing modular code using pure dojo, which is the preferred platform for developing web GIS applications using ArcGIS JavaScript API.

By the end of the book, you will have gained enough practical experience to architect a robust and visually powerful mapping application using the API.

What you will learn

- Find out what you need to develop a web mapping application in the ArcGIS environment
- Get to know about the major features provided by the ArcGIS JavaScript API
- See the coding best practices to develop modular dojo-based JavaScript applications
- Get to grips with writing custom re-usable dojo modules using dojo and esri modules and dijits
- Understand how to use various ArcGIS data sources and other open geospatial data available on the web
- Discover how to query spatial data and get the best out of your data using analytical techniques

- Master the art of rendering your map beautifully and create wonderful data visualizations using non-map objects such as charts
- Grasp how to create secure and scalable web maps

About the Author

Jayakrishnan Vijayaraghavan is an Esri-certified web developer with extensive experience in full stack web development, machine learning, and GIS. Working in variegated domains and geographies and through graduate and undergraduate studies in computer science and GIS, he has gained a solid grounding in geospatial technologies and in data science. He is a DAAD scholar and a winner of the UN-HABITAT special jury award. He's keen on developing intelligent and ubiquitous mapping systems by integrating Machine Learning concepts with GIS. He is also a novelist and poet too.

Yogesh Dhanapal has expertise in developing and delivering end-to-end web mapping application for key clients, and he is proficient in many web technologies. He also has many years of training and education in the geospatial domain. A hardcore programmer and GIS enthusiast, Yogesh is a Microsoft-certified solutions developer—web applications and Esri-certified web developer. He has gained expertise in applying GIS for transportation and petroleum domain and has extensive experience in customizing Esri roads and highways extension with JavaScript dojo modules. He is keen on developing cross-platform and web applications with a mobile-first approach.

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7. Map Analytics and Visualization Techniques
8. Advanced Map Visualization and Charting Libraries
9. Visualization with Time Aware Layers

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Editorial Review

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