



A Developer's Guide to the Semantic Web

By Liyang Yu

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Covering the theory, technical components and applications of the Semantic Web, this book's unrivalled coverage includes the latest on W3C standards such as OWL 2, and discusses new projects such as DBpedia. It also shows how to put theory into practice.

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A Developer's Guide to the Semantic Web By Liyang Yu Bibliography

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Editorial Review

Review

From the reviews:

“As the title suggests, this book is about the semantic Web, the standards and technologies that allow computers to understand the meaning of information posted online. . . . this book covers numerous aspects of the semantic Web in significant detail . . . primarily intended for software developers, researchers, and practicing professionals who want to gain expertise in the fundamentals quickly. It may also be useful for students taking courses on the semantic Web. Summing Up: Recommended. Upper-division undergraduates through professionals/practitioners.” (M. B. DuBois, Choice, Vol. 48 (11), August, 2011)

“This book is a good starting point, especially since finding all of this information on the Web can be difficult. . . . for developers who are interested in establishing a toehold, this is a nice introduction that should serve for now.” (Jeffrey Putnam, ACM Computing Reviews, September, 2011)

From the Back Cover

The Semantic Web represents a vision for how to make the huge amount of information on the Web automatically processable by machines on a large scale. For this purpose, a whole suite of standards, technologies and related tools have been specified and developed over the last couple of years, and they have now become the foundation for numerous new applications.

A Developer's Guide to the Semantic Web helps the reader to learn the core standards, key components, and underlying concepts. It provides in-depth coverage of both the what-is and how-to aspects of the Semantic Web. From Yu's presentation, the reader will obtain not only a solid understanding about the Semantic Web, but also learn how to combine all the pieces to build new applications on the Semantic Web.

The second edition of this book not only adds detailed coverage of the latest W3C standards such as SPARQL 1.1 and RDB2RDF, it also updates the readers by following recent developments. More specifically, it includes five new chapters on schema.org and semantic markup, on Semantic Web technologies used in social networks, and on new applications and projects such as data.gov and Wikidata, and it also provides a complete coding example of building a search engine that supports Rich Snippets.

Software developers in industry and students specializing in Web development or Semantic Web technologies will find in this book the most complete guide to this exciting field available today. Based on the step-by-step presentation of real-world projects, where the technologies and standards are applied, they will acquire the knowledge needed to design and implement state-of-the-art applications.

About the Author

Liyang Yu is Senior Software Developer with Delta Air Lines in Atlanta, GA, USA. His previously published Semantic Web books are widely used as textbooks and often referenced by developers worldwide. He also actively provides services and assistance to a variety of organizations and companies about

development and applications of Semantic Web technologies.

Users Review

From reader reviews:

Jennifer Garrison:

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Dolores Wade:

Precisely why? Because this A Developer's Guide to the Semantic Web is an unordinary book that the inside of the publication waiting for you to snap the idea but latter it will surprise you with the secret it inside. Reading this book adjacent to it was fantastic author who else write the book in such wonderful way makes the content interior easier to understand, entertaining technique but still convey the meaning completely. So , it is good for you because of not hesitating having this anymore or you going to regret it. This book will give you a lot of rewards than the other book have such as help improving your skill and your critical thinking method. So , still want to delay having that book? If I were being you I will go to the publication store hurriedly.

Michael Kimbrell:

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