References:
Books, articles and other resources on software architecture

This book provides a list of references (books, articles, online-resources, etc.) that are used by the iSAQB e.V. to support the definition of the content of the foundation-curriculum.

English and German

The references in this overview contain both German [DE] and English [EN] entries, and will be referenced from both DE and EN curricula. References written in German are marked with a [DE] prefix.

Comments

For certain references some of the members of iSAQB added their (mostly personal) opinion. Such personal comments are formatted in the following way – to be clearly distinguishable from the pure reference itself:

G.Starke: This is an example of such a personal opinion: I like such comments, as they help readers to select from the otherwise overly broad spectrum of available literature.

B

[Bachmann2000]

[Bass+2012]

Gernot Starke: Although the title suggests otherwise, a quite fundamental (and sometimes abstract) book. The authors have a strong background in ultra-large scale (often military) systems - so their advice might sometimes conflicts with small or lean kinds of projects.

[Bosch2000]

[Brown2015]

G.Starke: Very pragmatic and practical approach to software architecture.

G.Starke: Most likely the most famous and groundbreaking book on architecture patterns.


G.Starke: The classic textbook on Domain-Driven Design by the creator of this term and discipline. Covers both strategic and tactical design, both organized in pattern families.


Erich Gamma, Richard Helm, Ralph Johnson, John M. Vlissides: Design Patterns: Elements of Reusable Object-Oriented Software. Addison-Wesley, 1995.
Software Architecture References

[Gharbi+2014]

[Gorton2011]

[Hargis+2004]
Gretchen Hargis, Michelle Carey, Ann Hernandez: Developing Quality Technical Information: A

[Hofmeister+2000]
Christine Hofmeister, Robert Nord, Dilip Soni: Applied Software Architecture. 1 edition (Novem-
ber 14, 1999), Addison-Wesley Professional, 1999.

[Hohpe+2004]
Hohpe, Gregor und Woolfe, Bobby: Enterprise Integration Patterns: Designing, Building, and

[iSAQB-Glossary]
Starke G., Bohlen M., Mahlberg M., Lilienthal C., Gharbi M., Becker U., Kösch S., Rausch A.:
iSAQB Glossary of Software Architecture Terminology. An extensive glossary of software archi-
tecture (and development) terminology. Leanpub (E-Book and online)
https://leanpub.com/isaqbglossary

G.Starke: Has been compiled by numerous members of the iSAQB. Explains the terms
used and referenced in the iSAQB foundation and advanced level curricula, plus transla-
tions from DE to EN and vice versa.

[Koschel+2008]
Anwendungen - Client-Server, Multi-Tier, SOA, Event-Driven Architectures, P2P, Grid, Web

[Kruchten1995]

[Martin2003]
2002.
Software Architecture References

P

[Paras1972]

P.Ghadir: One of the most influential articles ever written in software engineering, introducing encapsulation and modularity.

Q

[Quian+2010]

G.Starke: Well-structure and readable collection of architecture styles and patterns.

R

[Reussner+2008]

[Rozanski+2011]

G.Starke: Presents a set of architectural viewpoints and perspectives.

[Schmidt+2000]

[Shaw+1996]
[Siedersleben2004]

[Starke2015]

[Starke2016]

[SWEBOK]
IEEE Software Engineering Body of Knowledge, online: https://www.computer.org/web/swebok/v3

T

[Tilkov+2015]

[Toth2015]

V

[Vernon2013]

[Vernon2016]

Z

[Zörner2015]