

Systematic literature review search terms table for the Paper Titled: Application of Microservices Patterns to Big Data Systems

A. Search strategy

Table I depicts the resulting mapping of databases and search terms. If a term in the “Search Term” column is printed in bold, this indicates a field of the search mask, where the following text is input. In case nothing is printed in bold, this means the whole term can be filled into the search bar without modification. As can be seen, due to the focus of this study, the term “microservice” or its plural always had to be included in the title.

TABLE I: Mapping of databases/registers and search terms

Database/Register	Search Term	Records
ACM Digital Library (“The ACM Full-Text Collection”, not “The ACM Guide to Computing Literature	1) [Title: microservice*] AND [[Title: pattern*] OR [Title: architecture*] OR [Title: design*] OR [Title: building block*] OR [Title: best practice*]] 2) [Title: microservice*] AND [[Abstract: pattern*] OR [Abstract: architecture*] OR [Abstract: design*] OR [Abstract: building block*] OR [Abstract: best practice*]] 3) [Title: microservice*] AND [[Keywords: pattern*] OR [Keywords: architecture*] OR [Keywords: design*] OR [Keywords: building block*] OR [Keywords: best practice*]]	1) 91 2) 194 3) 65
AISel	Title: microservice OR microservices	10
IEEE Xplore	“Document Title”: microservice* AND (“All Metadata”: pattern* OR “All Metadata”: architecture* OR “All Metadata”: design* OR “All Metadata”: building block* OR “All Metadata”: best practice*)	759
JSTOR	Title: microservice Title: microservices	1) 0 2) 0
ScienceDirect	1) Title, abstract, keywords: pattern OR architecture OR design OR (building block) OR (best practice) Title: microservice OR microservices 2) Title, abstract, keywords: patterns OR architectures OR designs OR (building blocks) OR (best practices) Title: microservice OR microservices	1) 79 2) 76
Scopus	(TITLE-ABS-KEY (pattern* OR architecture* OR design* OR ("building block") OR ("building blocks") OR ("best practice") OR ("best practices")) AND TITLE (microservice*))	1534
SpringerLink	Title: microservice* With at least one of the words: pattern* architecture* design* "building block" "building blocks" "best practice" "best practices"	433
Wiley	Title: microservice*	38