

# Bibliography

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- [1] "SODDA – A Service-Oriented Distributed Database Architecture" by Breno Mansur Rabelo and Clodoveu Augusto Davis Jr. published in ICEIS 2008 - Proceedings of the Tenth International Conference on Enterprise Information Systems, Volume DISI, Barcelona, Spain, June 12-16, 2008
- [2] "AutoGlobe: An Automatic Administration Concept for Service-Oriented Database Applications" published by Stefan Seltzsam, Daniel Gmach, Stefan Krompass, Alfons Kemper in Proceedings of the 22nd International Conference on Data Engineering (ICDE'06) IEEE Computer Society
- [3] "System Development As A Wicked Problem" by Raymond T. Yeh in International Journal of Software Engineering and Knowledge Engineering (IJSEKE) Volume: 1, Issue: 2 (1991) pp. 117-130
- [4] Service-Oriented Architecture and Microsoft .NET, posted by John Charles Olamendy on January 21, 2006 in 'Strategies for Managing Computer Software Upgrades' and edited by Neal G. Shaw
- [5] "Global Viewing of Heterogeneous Data Sources" by Silvana Castano, Valeria De Antonellis and Sabrina De Capitani di Vimercati in IEEE Transactions On Knowledge And Data Engineering, Vol. 13, No. 2, March/April 2001
- [6] "ReST-Based Web Access to Learning Design Services" by Juan Manuel Doderio and Ernie Ghiglione published in IEEE Transactions On Learning Technologies, Vol. 1, No. 3, July-September 2008
- [7] Distributed database From Wikipedia, the free encyclopedia and "Oracle Database Concepts, 11g Release 2 (11.2)" by Ashdown, Lance; Kyte, Tom with Oracle Corporation and retrieved 2013-07-17.
- [8] Service-oriented architecture From Wikipedia and "SOA Reference Architecture Technical Standard : Basic Concepts" by opengroup and retrieved 2014-10-10
- [9] An introduction to SOA By Raghu R. Kodali in JavaWorld on Jun 13, 2005  
<http://www.javaworld.com/article/2071889/soa/what-is-service-oriented-architecture.htm>
- [10] "Software-as-a-Service Revenue Models" by Arto Ojala Published by the IEEE Computer Society May/June 2013
- [11] "On Selecting Appropriate Development Processes and Requirements Engineering Methods for Secure Software" by Muhammad Umair Ahmed Khan and Mohammed Zulkernine in 2009 33rd Annual IEEE International Computer Software and Applications Conference
- [12] "Understanding Cloud Computing Vulnerabilities" by Bernd G. Robauer, Tobias Walloschek and Elmar Stöcker Copublished By The IEEE Computer And Reliability Societies March/April 2011
- [13] "Research on Software Evolution Processes in Asia" in IEEE ICSM 2008 published by Tong Li
- [14] "The Case for Cloud Computing" in IEEE Computer Society 2009 published by Robert L. Grossman
- [15] Oracle® Database Administrator's Guide 11g Release 1 (11.1)  
[http://docs.oracle.com/cd/B28359\\_01/server.111/b28310/dba002.htm#ADMIN11020](http://docs.oracle.com/cd/B28359_01/server.111/b28310/dba002.htm#ADMIN11020)
- [16] IBM Knowledge Center on Distributed Database Concepts  
[http://www-01.ibm.com/support/knowledgecenter/ssw\\_ibm\\_i\\_53/rzahf/rzahfmultipledb.htm](http://www-01.ibm.com/support/knowledgecenter/ssw_ibm_i_53/rzahf/rzahfmultipledb.htm)
- [17] Various BI / MIS Reports published by All India Council For Technical Education, New

Delhi <http://www.aicte-india.org/downloads>

- [18] "Methodology for Web Services Adoption Based on Technology Adoption Theory and Business Process Analyses" by An Liping, Yan Jianyuan, Tong Lingyun Tsinghua Science And Technology ISSN 1007-0214 20/26 pp383-389 Volume 13, Number 3, June 2008
- [19] "Realizing Service-Centric Software Systems" by Olivier Nano and Andrea Zisman, City University, London IEEE Computer Society 0740-7459/07/2007 IEEE.
- [20] "Performance and cost evaluation of an adaptive encryption architecture for cloud databases" published in IEEE Transactions on Cloud Computing by Luca Ferretti, Fabio Pierazzi, Michele Colajanni, and Mirco Marchetti.
- [21] "Architected to Last: The Expanding Relevance of Service-Oriented Architecture" sponsored by IBM, authored by Stephen D. Hendrick in April 2011
- [22] "Successful Software Product Line Practices" by John D. McGregor, Dirk Muthig, Kentaro Yoshimura, Paul Jensen published in IEEE Computer Society 0740-7459/10/2010
- [23] "Need of Cloud Based System for Higher & Technical Education in India" in International Journal of Computer Application (0975 – 8887), Volume 63– No.12, FCS, USA by Swapna Kolhatkar, A K Ajay, Atul Naik
- [24] "Applicability Of Cloud Computing In Academia" by Amarendra Kumar Ajay, Swapna S Kolhatkar and Atul B Naik in Indian Journal of Computer Science and Engineering (IJCSE) Volume 4 Issue 1 February-March 2013 e-ISSN:0976-5166 p-ISSN:2231-3850 Vol. 4, No. 1
- [25] "XML Representation of DFD - Removal of Diagramming Ambiguity" in International Journal of Advanced Computer Science and Applications(IJACSA), Volume 2 Issue 8, U.S ISSN : 2156-5570 (Online) by Swapna Kolhatkar
- [26] "Study of Administration and Operation of Distributed Databases and need for Applicability of SOA for the same" by Swapna Kolhatkar and Prof Harshad J Patel in Journal of Computer Science and Application (JCSA)., Volume 4, Number 2, (May, 2012) ISSN 2231-1270
- [27] "The intelligent organisation" by Passionned Group in Business Intelligence book <http://www.passionned.com/data-integration/etl-extract-transform-and-load>
- [28] A white paper on Microsoft Azure StorSimple : The Next Step for Hybrid Storage By Mark Peters, Senior Analyst July 2014
- [29] Paper Trends 2006 : Retail IT highlights how different aging POS platforms need up-gradation and architecture investments will pay off in the end <http://whitepapers.techrepublic.com.com/abstract.aspx ?docid=166761>
- [30] "An Overview of Service Oriented Architecture in Retail" a white paper published by TechRepublic looks at the challenges faced by retailers and benefits of SOA to the retail enterprise
- [31] "Creating Sustainable Retail Solutions with SOA" by Annika Granebring , Péter Révay , Ph D C
- [32] "SOA –the Architecture of choice for demand driven retail" published by TechRepublic
- [33] "Driving Innovation in retail with SOA" by Eqos Limited in March\_2008
- [34] Design Patterns in C# and VB.NET - Gang of Four (GOF) [www.dofactory.com/Patterns/Patterns.aspx](http://www.dofactory.com/Patterns/Patterns.aspx).
- [35] Design Patterns for .Net published by Designpatternsfor.net
- [36] White paper on "Structural Design Patterns and .NET Framework 2.0" published by TechRepublic
- [37] "Enterprise Solution Patterns Using Microsoft .NET" published by MSDN, MicroSoft library

- [38] Article on "Storing database connection settings in .NET" published by TechRepublic
- [39] ".Net Architecture and Design Pattern" published by theserverside.net
- [40] "Design Patterns: From Analysis to Implementation" published by NetObjectives
- [41] "Design pattern" Resources published by TechRepublic  
[search.techrepublic.com.com/search/design+pattern.html](http://search.techrepublic.com.com/search/design+pattern.html)
- [42] A Beginner's Guide to Design Patterns by Nikko Bautista and Singleton Design Pattern – An Introspection w/ Best Practices by Mainak Goswami
- [43] "An approach to teaching design patterns using musical composition" by John Hamer
- [44] "C# 3.0 Design Patterns: Use the Power of C# 3.0 to Solve Real-World Problems" by Judith Bishop
- [45] "Create a Microsoft Access Database Using ADOX and Visual Studio" published by CodeGuru.  
[www.codeguru.com/vb/gen/vb\\_database/microsoftaccess/article.php/c5149](http://www.codeguru.com/vb/gen/vb_database/microsoftaccess/article.php/c5149)
- [46] "A Multidimensional Weighted-Attributes Framework (MWAF) For Evaluating Agent-Oriented Software Engineering Methodologies" by Abdel-Halim Elamy and Behrouz Far in IEEE CCECE/CCGEI, Ottawa, May 2006
- [47] "Towards a Better Understanding of Software Evolution: An Empirical Study on Open Source Software" by Guowu Xie, Jianbo Chen and Iulian Neamtiu in 2009 IEEE Proc. ICSM 2009, Edmonton, Canada
- [48] "Securing XML Documents with Author-X" published in IEEE Internet Computing In May June 2001 by Elisa Bertino, Silvana Castano and Elena Ferrari
- [49] "The Impact of Virtualization on Network Performance of Amazon EC2 Data Center" by Guohui Wang and T. S. Eugene Ng published in IEEE Infocom 2010 proceedings
- [50] "Understanding Cloud Computing Vulnerabilities" by Bernd Grobauer, Tobias Walloschek, and Elmar Stöcker Copublished By The IEEE Computer And Reliability Societies March / April 2011
- [51] "Microsoft in Education, Teacher Guides" published by Microsoft in Education Ref - <http://www.microsoft.com/education/en-us/teachers/guides/Pages/webapps.aspx>
- [52] "There is a greater need for automation & process management in Indian educational institutes" by Sharon Lobo on Feb 28, 2011 published in Cxotoday.com
- [53] "Microsoft in Education, Education Apps" published by Microsoft in Education [http://www.microsoft.com/education/en-us/solutions/Pages/cloud\\_computing.aspx](http://www.microsoft.com/education/en-us/solutions/Pages/cloud_computing.aspx)
- [54] "Automating Cloud Services Life Cycle through Semantic Technologies" published in IEEE Transactions On Services Computing, Vol. 7, No. 1, January-March 2014 by Karuna P. Joshi, Yelena Yesha, and Tim Finin
- [55] Microsoft LiveEdu <http://www.microsoft.com/india/education/solutions/liveedu.aspx>
- [56] "SOA in Variability-Intensive Environments: Pitfalls and Best Practices" by Matthias Galster, Laurens Lapre and Paris Avgeriou
- [57] "Heterogeneity in Mobile Cloud Computing: Taxonomy and Open Challenges" by Zohreh Sanaei, Saeid Abolfazli, Abdullah Gani and Rajkumar Buyya published in IEEE Communications Surveys & Tutorials, VOL. 16, NO. 1, First Quarter 2014
- [58] India Education Review - "We have discussed a lot, now it's time to act" by Sam Pitroda, Advisor to Prime Minister of India
- [59] "Introduction to Cloud Computing" by William Voorsluys, James Broberg, and Rajkumar Buyya Ref - [http://media.johnwiley.com.au/product\\_data/excerpt/90/04708879/0470887990-180.pdf](http://media.johnwiley.com.au/product_data/excerpt/90/04708879/0470887990-180.pdf)
- [60] "Gartner Says Cloud Computing Will Be As Influential As E-business" STAMFORD, Conn., June 26, 2008 <http://www.gartner.com/newsroom/id/707508>
- [61] "A Reference Model for Developing Cloud Applications" by Mohammad Hamdaqa,

Tassos Livogiannis and Ladan Tahvildari of Department of Electrical and Computer Engineering, University of Waterloo, Waterloo, Ontario, Canada

- [62] Michael Keen's Business Technology Review : Viewpoints on Business, Innovation, Strategy, and of course, Technology posted on March 09, 2009 at DABCC Ref : <http://www.dabcc.com/article.aspx?id=10100>
- [63] "Building a Service-Oriented eBanking Platform Services Computing" published in 2004 IEEE International Conference on (SCC'04) Shanghai, China dated, September 15-September 18, ISBN: 0-7695-2225-4 by Tony Chao Shan, Wachovia Corporation, Charlotte, NC
- [64] Statistical reports - Department of Higher Education, Ministry of Human Resource Development, Government of India. Reports like CollegeDCF\_2.pdf, EduStatGlance\_2011\_0.pdf, India\_CountrySummary.pdf, UniversityDCF\_2.pdf, StateProfile0506.pdf
- [65] Bell, Michael (2008). "Introduction to Service-Oriented Modeling". Service-Oriented Modeling: Service Analysis, Design, and Architecture. Wiley & Sons. p.3.ISBN 978-0-470-14111-3.
- [66] "Incorporation of ERP in Educational Institutions: An Empirical Study" by Karminder Ghuman, Sonika Chaudhary, Chandigarh Business School, Mohali in International Conference on Technology and Business Management dated March 26-28. 2012
- [67] "A Novel Executable Modeling Approach for System-of-Systems Architecture" by Bingfeng Ge, Keith W. Hipel, Kewei Yang and Yingwu Chen published in IEEE Systems Journal, Vol. 8, No. 1, March 2014
- [68] "System of Systems for Quality-of-Service Observation and Response in Cloud Computing Environments" published in IEEE Systems Journal by Paul C. Hershey, Shrisha Rao, Charles B. Silio and Akshay Narayan
- [69] Wiki answers.com : The advantages and disadvantages of data flow diagrams
- [70] Chris Gane and Trish Sarson. Structured Systems Analysis: Tools and Techniques. McDonnell Douglas Systems Integration Company, 1977
- [71] "The Relevance of the XML Data Format for Access to Historical Datasets and a Strategy for Digital Preservation" published in D-Lib Magazine, February 2005, Volume 11 Number 2, ISSN 1082-9873, The eXtensible Past
- [72] "Thinking XML: A glimpse into XML" in the financial services industry Interesting lessons from a no-nonsense territory for XML by Uche Ogbuji ([uche@ogbuji.net](mailto:uche@ogbuji.net)), Principal Consultant, Fourthought, Inc.
- [73] "An introduction to Model Driven Architecture Part I: MDA and Today's Systems" published by Alan Brown with IBM <http://www.ibm.com/developerworks/rational/library/3100.html>
- [74] "The Importance of Data Modeling as a Foundation for Business Insight", an article published by Larissa Moss and Steve Hoberman in Search SSWUG.ORG
- [75] "Comparison of Approaches to Service Deployment" by Vanish Talwar, Qinyi Wu, Calton Pu, Wenchang Yan, Gueyoung Jung and Dejan Milojicic; published in Proceedings of the 25th IEEE International Conference on Distributed Computing Systems (ICSCS'05)
- [76] "An Enhanced Extract-Transform-Load System for Migrating Data in Telecom Billing" published in IEEE ICDE 2008 by Himanshu Agrawal, Girish Chafle, Sunil Goyal, Sumit Mittal, Sougata Mukherjea
- [77] "Expanding the Criteria for Evaluating Socio-Technical Software" in IEEE Transactions On Systems, Man, And Cybernetics—PART A: Systems And Humans, Vol. 38, NO. 4, JULY 2008 published by Brian Whitworth, Victor Bañuls, Cheickna Sylla, and Edward Mahinda
- [78] "Cost Analysis of the Service Migration Problem between Communication Platforms" in 2008 IEEE published by Dayyan Shayani, Carmen Mas Machuca, Monika Jager and

Andreas Gladisch

- [79] SQLMaestro Database Management Solutions by SQL Maestro Group  
Ref : <http://www.sqlmaestro.com/products/anysql/maestro>
- [80] Data Migration Through Toad software  
<http://data.software.informer.com/download-data-migration-through-toad>
- [81] Aqua Data Studio Documentation by AquaFold
- [82] Redgate SQL Monitor Documentation by Redgate
- [83] "From Data Handling to Presentation of Data : Encapsulating the App.config in .NET Applications through Design Patterns" in International Journal of Computer Applications Vol 3 No 2, ISBN: 97893-80746-29-6, FCS, USA by Swapna Kolhatkar
- [84] "Transforming the point of sale to point of service - applying SOA in the Indian retail scenario" in Journal of Business & Retail Management Research Vol.4, Issue.2, April 2010. ISSN 1751-8202, United Kingdom by Shruti Joshi and Swapna Kolhatkar
- [85] TIBCO services and Documentation
- [86] The Open Group Documentation
- [87] DbVisualizer Ref : <http://www.dbvis.com>
- [88] Squirrel SQL Universal SQL Client Version 3.6  
Ref : <http://squirrel-sql.sourceforge.net>
- [89] TOAD Productivity Software for Database Developers, DBAs, and Analysts  
Ref : <https://www.toadworld.com>
- [90] "Cloud computing" from Wikipedia and "The NIST Definition of Cloud Computing" by National Institute of Standards and Technology and retrieved 24 July 2011
- [91] w3schools for XML, DTD, XSD, "XML 1.0 Specification" by World Wide Web Consortium & retrieved 2010-08-22; Watt, Andrew H's "Sams teach yourself XML in 10 minutes" with Sams Publishing
- [92] "An E-learning tool for Database Administration" by Paul Douglas and Steve Barker in Proceedings of the International Conference on Information Technology: Coding and Computing (ITCC'05)
- [93] "SOA Monitoring for Enterprise Computing Systems" by Paul Hershey and Donald Runyon in 11th IEEE International Enterprise Distributed Object Computing Conference
- [94] An Overview of Service-Oriented Architecture in Retail by Moin Moinuddin, Microsoft Corporation, January 2007
- [95] Case Study: SOA Retail Business Pattern – Martin Keen, Kulvir Singh Bhogal, Sunil Dube, Rashmi Kaushik, Geert Van De Putte, Albert Wong, Sravan Yallapragada
- [96] Published in *the Vision* 2000. 4(1), 35-40. Retail Management In India : Some Global Issues By Mrinmoy K Sarma School Of Management Sciences Tezpur University, Assam
- [97] Challenges facing the Indian Organized Retail sector - Maps of India.com's India Business Directory

## **Books**

- [1] Service-Oriented Architecture by Thomas Erl
- [2] Principles of Distributed Database System by Ozsu M Tamer and Patrick Valduriez
- [3] Professional Ajax, 2nd Edition by Nicholas C. Zakas, Jeremy McPeak, Joe Fawcett
- [4] PHP: The Complete Reference by Steven Holzner
- [5] MySQL: The Complete Reference by Vikram Vaswani
- [6] Beginning Databases with PostgreSQL, 2nd Edition by Neil Matthew & Richard Stone
- [7] Fundamentals of database systems (3rd edition) by Elmasri and Navathe
- [8] Professional ASP.NET 4 in C# and VB by Scott Hanselman, Devin Rader, Bill Evje
- [9] Executing SOA: A Practical Guide for the Service-Oriented Architect Norbert Bieberstein, Robert Laird, Keith Jones and Tilak Mitra