

Curriculum Vitae for Dr. Rohit Khare

Education

- 2003 **Doctor of Philosophy**
University of California, Irvine
Information and Computer Science
Institute of Software Research
Advisor: Dr. Richard N. Taylor
Dissertation: *Extending the Representational State Transfer (REST)
Architectural Style for Decentralized Systems*
- 2000 **Master of Science**
University of California, Irvine
Information and Computer Science
Major Emphasis: Software
- 1995 **Bachelor of Science with Honors**
California Institute of Technology
Major: Engineering & Applied Science
Major: Economics

Professional Experience

- 2004— *Director*, CommerceNet Labs, Mountain View, California
- 2000–02 *Founder & Chief Technology Officer*, KnowNow, Sunnyvale, California
- 1997–99 *Research Assistant* (Chancellor's Fellowship), UC Irvine, California
- 1997–99 *Columnist*, IEEE Internet Computing, Los Alamitos, California
- 1997 *Internet Architect*, MCI, Boston, Massachusetts
- 1996– *President*, 4K Associates, Irvine, California
- 1996–98 *Editor-in-Chief*, World Wide Web Journal,
O'Reilly & Associates, Sebastopol, California
- 1995–97 *Member of Technical Staff*, World Wide Web Consortium,
Massachusetts Institute of Technology, Cambridge, Massachusetts
- 1991–95 *Research Assistant*, Undergraduate Research Fellowships (SURF),
California Institute of Technology, Pasadena, California
- 1989– *Programmer*, Envirosystems, Inc., Columbia, Maryland

Refereed Papers

- [1] Khare, R., Guntersdorfer, M., Oreizy, P., Medvidovic, N. and Taylor, R. N. *xADL: Enabling Architecture-Centric Tool Integration with XML*, in *Hawaii International Conference on System Sciences (HICSS-34), Software mini-track*, (Maui, Hawaii, January 3-6 2001).
- [2] Khare, R. and Rifkin, A. *Composing Active Proxies to Extend the Web*, in *OMG-DARPA-MCC Workshop on Compositional Software Architectures*, (Monterey, CA, Jan. 1998), ACM SIGSOFT Software Engineering Notes 23(3), pp.44-63.
- [3] Khare, R. and Rifkin, A. *The Origin of (Document) Species in Computer Networks and ISDN Systems*, 1998, 30. pp. 389-397.
- [4] Rifkin, A. and Khare, R. *eText: An Interactive Environment for Learning Parallel Programming*, in *Proceedings of the 25th SIGCSE Symposium on Computer Science Education*, (Phoenix, Arizona, 1994), ACM, pp. 282-285.

Standards

- [5] Lawrence, S. and Khare, R. *RFC 2817: Upgrading to TLS Within HTTP/I.I.* IETF, May 2000.
- [6] Khare, R. and Rifkin, A. *Scenarios for an Internet-Scale Event Notification Service (ISENS)*. IETF draft (expired), 13 August 1998.
<http://www.ics.uci.edu/~rohit/draft-khare-notification-00.txt>
- [7] Frystyk, H., Connolly, D., Khare, R. and Prud'hommeaux, E. *PEP: An Extension Mechanism for HTTP*. W3C Technical Report, November 1997.

Edited Volumes

- [8] Khare, R. (ed.), *The Web After Five Years (W3f vol. 1 no. 3)* O'Reilly & Associates, 1996. 218pp.
- [9] Khare, R. (ed.), *Building an Industrial-Strength Web (W3f vol. 1 no. 4)* O'Reilly & Associates, 1996. 244pp.
- [10] Khare, R. (ed.), *Advancing HTML: Style and Substance (W3f vol. 2 no. 1)* O'Reilly & Associates, 1997. 246pp.
- [11] Khare, R. (ed.), *Scripting Languages: Automating the Web (W3f vol. 2 no. 2)* O'Reilly & Associates, 1997. 219pp.
- [12] Khare, R. (ed.), *Web Security: A Matter of Trust (W3f vol. 2 no. 3)* O'Reilly & Associates, 1997.
- [13] Connolly, D. and Khare, R. (eds.). *XML: Principles, Tools, and Techniques (W3f vol. 2, no. 4)* O'Reilly & Associates, 1997.

Technical Reports

- [14] Khare, R. and Taylor, R. *Extending the Representational State Transfer (REST) Architectural Style for Decentralized Systems*. Institute for Software Research, University of California, Irvine, Irvine, CA, September 2003.
http://www.isr.uci.edu/tech_reports/UCI-ISR-03-8.pdf
- [15] Khare, R. *Decentralized Software Architecture*. Institute for Software Research, University of California, Irvine, Irvine, December 2002.
<http://www.isr.uci.edu/tech-reports/UCI-ISR-02-6.pdf>
- [16] Medvidovic, N., Oreizy, P., Taylor, R. N., Khare, R. and Guntersdorfer, M. *An Architecture-Centered Approach to Software Environment Integration*. 2000.
<ftp://www.ics.uci.edu/pub/arch/papers/TR-UCI-ICS-00-11.pdf>

Articles

- [17] Khare, R. and Rifkin, A. *Capturing the State of Distributed Systems with XML in World Wide Web Journal*, 1997, 2 (4). pp. 207-218.
- [18] Khare, R. and Rifkin, A. *Weaving a Web of Trust in World Wide Web Journal*, 1997, 2 (3). pp. 77-112.
- [19] Rifkin, A. and Khare, R. *XML: A Door to Automated Web Applications in IEEE Internet Computing*, July, 1997. vol. 1 (4), pp. 78-87.
- [20] Khare, R. and Rifkin, A. *XML: A Door to Automated Web Applications (Japanese Translation) in Nikkei Electronics*, 1998 (706). pp. 221-232.
- [21] Khare, R. *Telnet: The Mother of All (Application) Protocols in IEEE Internet Computing*, May/June, 1998. vol. 2 (3), pp. 88-91.
- [22] Khare, R. *The Transfer Protocols in IEEE Internet Computing*, March/April, 1998. vol. 2 (2), pp. 80-82.
- [23] Khare, R. *I Want My FTP: Bits on Demand in IEEE Internet Computing*, July/August, 1998. vol. 2 (4), pp. 88-91.
- [24] Khare, R. *The Spec's in the Mail in IEEE Internet Computing*, September/October, 1998. vol. 2 (5), pp. 82-86.
- [25] Khare, R. *Reflections on the Wizard of TPs...and Other Network News in IEEE Internet Computing*, November/December, 1998. vol. 2 (6), pp. 74-78.
- [26] Khare, R. *Building a Perfect Beast: Dreams of a Grand Unified Protocol in IEEE Internet Computing*, March/April, 1999. vol. 3 (2), pp. 89-93.
- [27] Khare, R. *Who Killed Gopher? An Extensible Murder Mystery in IEEE Internet Computing*, Jan/Feb, 1999. vol. 3 (1), pp. 81-84.
- [28] Khare, R. *What's in a Name? Trust. (Internet-Scale Namespaces, Part II) in IEEE Internet Computing*, November/December, 1999. vol. 3 (6), pp. 80-84.
- [29] Khare, R. *Anatomy of a URL (and Other Internet-Scale Namespaces, Part I) in IEEE Internet Computing*, November/December, 1999. vol. 3 (5), pp.78-81

- [30] Khare, R. *W* Effect Considered Harmful* in *IEEE Internet Computing*, July/August, 1999. vol. 3 (4), pp. 89-92.
- [31] Khare, R. *Can XForm Transform the Web? Transcending the Web as GUI, Part II* in *IEEE Internet Computing*, March/April, 2000. vol. 4 (2), pp. 103-106.
- [32] Khare, R. *How <FORM> Functions: Transcending the Web as GUI, Part I* in *IEEE Internet Computing*, January/February, 2000. vol. 4 (1), pp. 88-90.

Manuscripts

- [33] Rifkin, A. and Khare, R. *A Bibliography of Event Papers*. July 1998.
<http://www.ifindkarma.com/attic/isen/event-papers.html>
- [34] Rifkin, A. and Khare, R. *The Evolution of Internet-Scale Event Notification Services: Past, Present, and Future*. (Manuscript), 10 August 1998.
<http://www.ifindkarma.com/attic/isen/wacc/>

Theses

- [35] Khare, R. *Extending the Representational State Transfer (REST) Architectural Style for Decentralized Systems* (PhD Thesis), University of California, Irvine, Information and Computer Science, Irvine, CA, 2003.
- [36] Khare, R. *Message-Oriented Middleware and the Software Engineer* (MS Thesis), University of California, Irvine, Information and Computer Science, 1999.
<http://www.4k-associates.com/moma.html>

Software

- [37] Khare, R., Rifkin, A., Sitaker, K. and Sittler, B. *mod_pubsub: an open-source event router for Apache*, 2002.
<http://mod-pubsub.sourceforge.net/>
- [38] Khare, R. *eText Engine: a Graphical Hypertext Editor for Electronic Textbooks*, Caltech Archetypes Project, Pasadena, CA, 1994-5.
<http://xent.com/~rohit/eTextEngineHome.html>
- [39] KnowNow. *KnowNow LiveServer / LiveBrowser / LiveSheet*, ver. 1.8, Sunnyvale, CA, 2003. <http://www.KnowNow.com/>

Talks

- [40] Khare, R. *SOAP Routing: The Missing Link*, in *O'Reilly Emerging Technology Conference*, (Santa Clara, CA, 2002). http://conferences.oreillynet.com/presentations/et2002/khare_rohit.ppt
- [41] Khare, R. *The Two-Way Web: An Interoperable Foundation for P2P*, in *O'Reilly Peer-to-Peer Conference*, (San Francisco, CA, 14 February 2001).
http://conferences.oreillynet.com/cs/p2p2001/view/e_sess/1163

- [42] Khare, R. *Internet-scale Namespaces*, in *The Workshop on Internet-Scale Technologies (TWIST'99)*, (Irvine, CA, 1999).
- [43] Khare, R. *Using PICS Labels for Trust Management*, in *DIMACS Workshop on Trust Management in Networks*, (Rutgers, New Jersey, 1 October 1996).
<http://dimacs.rutgers.edu/Workshops/Management/Khare.html>
- [44] Khare, R. *Security Extensions for the Web*, in *RSA Data Security Conference*, (San Francisco, CA, 19 January 1996). <http://w3.org/Talks/960119-RSA/>

Teaching

- [45] Khare, R. and Rifkin, A. *XML: The Least You Need To Know (Tutorial)*, in *Swiss Group for Object-Oriented Systems and Environments (CHOOSE)*, (Ausbildungszentrum Bankverein Basel, Switzerland, 19 January 1998).
- [46] Khare, R. and Whitehead, J. *XML and WebDAV: Emerging Web Standards and Their Impact on Software Engineering (Tutorial)*, in *Sixth International Symposium on the Foundations of Software Engineering (FSE-6)*, (Lake Buena Vista, Florida, 5 November 1998).
- [47] Khare, R. and Rifkin, A. *XML: Modeling Data and Metadata (Tutorial)*, in *Proceedings of the 1998 ACM Conference on Computer-Supported Cooperative Work (CSCW'98)*, (Seattle, WA, 15 November 1998).
<http://www.ics.uci.edu/~rohit/cscw98/>
- [48] Khare, R. and Rifkin, A. *XML: Modeling Data and Metadata (Tutorial)*, in *Proceedings of the International Conference on Work Activities, Coordination, and Collaboration (WACC'99)*, (San Francisco, California, 22 February 1999), pp. 239-240.
- [49] Khare, R. and Whitehead, J. *WebDAV: Collaborative Web Authoring (Tutorial)*, in *9th International World Wide Web Conference*, (Amsterdam, The Netherlands, 15 May 2000).