

ZAKIR LALIWALA

Ph No.: (M) 91- 9898084558, 079-32421232

Email ID: zakirlaliwala@yahoo.com , Website: www.zakirlaliwala.info

Seeking assignments as SOA Solution Architect, Researcher or Consultant in a reputed organisation.

Professional Summary

- Over 8 years of experience in Service-Oriented Architecture (SOA), Portal, CMS, Software Development, Project Management, Research & Development, Open Source and Teaching.
- Presently working with Cignex, Ahmedabad, India as Principal Consultant.*
- Worked with IBM, Software Lab, Bangalore, India as Web Services Architect.
- Domain expertise includes Portal, CMS and Service-oriented Architecture.
- Comprehensive understanding of Discrete Mathematics, Operating Systems, Databases, Design and Analysis of Algorithm, Compilers, Software Engineering, Object Oriented Systems and Standards, Advances in Computer Networks, Advanced Computer Architecture, Embedded Systems, Distributed Computing, Data Warehousing and Data Mining.
- Proficiency in handling the complete SDLC and flair for adopting & keeping abreast the latest IT trends/ technologies.
- An astute planner and leader with exemplary communication, relationship management, analytical and organizational skills. Experience of working with cross-cultural teams under multinational environments.

- Core Competencies include;**

Web Services	Service-Oriented Architecture	Open Source
Content Management System	Portal	Semantic Web
Grid computing	Business Process Automation	Software Development
Project Management	Training and Teaching	Research & Development

IT Skill Set

Operating Systems	: Windows 98/NT/2000, Unix, Linux, Sun Solaris 8, DOS
Java related technologies	: J2SE, J2EE, J2ME, JINI, RMI, Tomcat, Struts, JSF and Ant
Microsoft related technologies	: VB 6.0, Microsoft .NET framework, Visual Studio, .NET compact framework
Databases	: Oracle 9i, MS SQL Server, MySQL, PL/SQL, ODBC, JDBC
Semantic Web technologies	: RDF, OWL, OWL-S, Protégé, Sesame
Web Services technologies	: SOAP, UDDI, WSDL, WS-* Standards and Specifications, BPEL
Grid Computing	: Globus toolkit 4.0
Portal and CMS	: Open Source Liferay Portal and Alfresco CMS
Modeling Language	: UML with Rational rose suit
Software Packages	: Eclipse, IBM WebSphere SOA foundation products, BEA WebLogic, Jdeveloper.
Other programming language	: C, C++, PHP

Career Highlights

Since Jan'08 Cignex, Ahmedabad as Principal Consultant

Presently working as a Principal Consultant at Cignex, Ahmedabad, India. I am working on Open Source Portal and Content Management System (CMS). I am playing multiple roles such project management, team lead, pre-sales support and training of open source portal and CMS. I have worked with various clients such as Prager, Sealy & Co., LLC, Corporation Service Company, Mudra, AnandaBazar Patrika, etc. for the development of open source CMS and portal using technologies such as Liferay and Alfresco. I am also looking at Service-Oriented integration of Liferay and Alfresco with Intalio (open source BPM) ServiceMix and Mule (open source ESB).

Jan'07-Jan'08 IBM, Bangalore as Web Services Architect

Notable Accomplishments

- Worked on Web Sphere SOA foundation products.
- Part of the Lab Services - Business Partner Technical Strategy Enablement Team.
- Worked on
 - Various SOA projects with business partners and development POCs and POTs.
 - SOA Road Show and SOA Specialty program.

- o IBM WebSphere Application Server, WebSphere Process Server, WebSphere Developer Integration, Enterprise Services Bus, WebSphere Registry and Repository, DataPower and WebSphere Business Services fabric.

Aug'01- Dec'06 DA-IICT, Gandhinagar as Research Assistant/ Teaching Assistant

Notable Accomplishments

Aug'02 – Dec'06 as Teaching Assistant / Research Assistant

- o Instrumental in teaching courses like "Grid Computing", "Systems and Network Programming", "Computer programming", "Structured Programming and C", and "Object Oriented Programming" course to Under-graduate and Post-graduate students .
- o Worked as a research assistant under Dr. Sanjay Chaudhary for various Research projects.

Title: IBM Eclipse Innovation Grant 2005 project "Framework for processing and visualization of critical alerts for risk perception and efficient decision-making".

Duration: 1 year **Team Size:** 3

Description: It involved development of Eclipse plugins for integration of alert and syndication protocols and effective visualization of information coming from distributed heterogeneous sources.

Title: Assisted in research related to Data warehouse, Data mining and Database programming using Oracle 9i and JDeveloper.

Duration: 1 year **Team Size:** 2

Description: worked as a research assistant under my guide on Data warehouse and Data mining project.

Title: Guided BTech students for Design project and final year BTech project.

Duration: 1 year **Team Size:** 7

Description: It includes mentoring many B.Tech students and work with them as a team on SOA, Semantic web and grid based projects. I have worked with them on various Web services second generation standards and specifications. Publish many research papers with BTech students.

Aug'01- Jul'02 as Teaching Assistant / Research Assistant

- o Assisted in teaching 2 courses "Structured Programming and C" and "Object Oriented Programming".
- o Efficiently supported in-house software development.

Freelance Assignments

Jun'01- Dec'06 Software Consultant, Software and Web Developer for Attune Infocom, Om Computers, Rudra Technologies, Sky Group etc.

- ❖ Developed many applications using Microsoft Visual Studio 6.0 and Microsoft Access and Oracle.
- ❖ Hosted, designed and managed many web based projects and websites
- ❖ Developed POS, Vakil Information System for advocate, Medical Store Management System, Inventory Management System, Flash and Multimedia based website and advertisement for various companies.

Internship

Jun'01- May'01 Survik Software Ltd, Ahmedabad as Software Developer

- ❖ Developed "Online Communication & Data Management System" as a part of my final year internship. Responsibility included designing and implementing a web based user interface and server side programming using java servlet, database was in MySQL.

Aug'00- Dec'00 Physical Research Laboratory, Ahmedabad as Software Developer

- ❖ I have worked as VB 6.0 programmer as a part of my final year internship and developed Windows base Visual interface for MySQL database running on Unix.

Scholastic Credentials

2007	Ph. D. (Thesis accepted) at Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT).
2001	BE (Computer) from L.D. College of Engineering. Gujarat University.
1998	Diploma of Engineering in Computer Engineering from Government Polytechnic, Gujarat University.
1995	Diploma of Pharmacy from L.M. College of Pharmacy, Gujarat University.

Publications

Book Chapters

- A. Akram, R. Allan, S. Chaudhary, P. Jain and Z. Laliwala, "*Grid Business Process: Case Study*", for "Securing Web Services: Practical Usage of Standards and Specifications", edited by Dr. P. Periorellis, Idea Group Inc., 2007.
- S. Chaudhary, Z. Laliwala and V. Sorathia, "*Building Semantic Business Services*", for "The Semantic Web and its Applications", edited by Dr. J. Cardoso and Dr. A. Sheth, Published by Springer, 2006.

Conferences & Workshops Research Papers

- Z. Laliwala, A. Desai, S. Chaudhary, A. Allam, "Why Context, Content and Contract are Key for Dynamic Service Selection" ESM-Workshop co-located with IEEE International Conference on Services Computing (SCC 2008), July 8-11, 2008, Honolulu, Hawaii, USA.
- Z. Laliwala, S. Chaudhary, "Event-driven Service-Oriented Architecture", 5th International Conference on Service Systems and Service Management, 30 June - 2 July 2008, Melbourne, Australia.
- Z. Laliwala, "Event-driven Service-oriented Architecture for Dynamic Composition of Web Services", Doctoral Symposium, ACM Compute 2008, Bangalore, India, January 2008.
- Z. Laliwala, S. Chaudhary, "Service Grouping and Group Notification in Grid Business Process", ACM Compute 2008, Bangalore, India, January 2008.
- A. Desai, Z. Laliwala, S. Chaudhary, "*Policy-driven Grid Business Process*", Workshop on Grid and Utility Computing co-located with International Conference on High Performance Computing (HiPC), Goa, India, December 2007.
- Z. Laliwala, S. Chaudhary, C. Venus and A. Mahajan, "*Semantic and Rules Based Automated Negotiation*", 1st International Workshop on Service- and Process-Oriented Software Engineering (SOPOSE) co-located with Asia-Pacific Conference on Software Engineering (APSEC-2006).
- Z. Laliwala, S. Chaudhary, "*Event-Driven Dynamic Web Services Composition: From Modeling to Implementation*", Third Int. Conf. on Innovations in Information Technology (IIT06) 2006.
- Z. Laliwala, V. Sorathia, P. Jain and S. Chaudhary, "*Integrating Stateful Services in Workflow*", 13th Asia Pacific Software Engineering Conference (APSEC06), 2006
- Z. Laliwala, P. Jain and S. Chaudhary, "*Semantic based Service-Oriented Grid Architecture for Business Processes*", IEEE Int. Conference on Services Computing, SCC 2006, Industry rack.
- Z. Laliwala, "Event-driven dynamic web services composition and automation of business process", IEEE SCC 2006, Work-In-Progress track, Student Forum.
- Z. Laliwala, R. Khosla, P. Majumdar, S. Chaudhary, "*Semantic and Rule Based Event-Driven Dynamic Web Services Composition for Automation of Business Processes*", Third International Workshop on Semantic and Dynamic Web Processes (SDWP), co-located with SCC and ICWS 2006.
- Z. Laliwala, V. Sorathia, S. Chaudhary, "*Semantics and Rule Based Event-driven Services-Oriented Agricultural Recommendation System*", International Workshop on Distributed Event-Based Systems Co-located with the 26th International Conference on Distributed Computing Systems, 2006.
- Z. Laliwala, V. Sorathia and S. Chaudhary, "*Semantics based Event-driven Publish/Subscribe Service-Oriented Architecture*" for a workshop on "Emerging Services delivery platforms and software models for Next Generation Network Services SOFTPLATFORM2006", co-located COMSWARE, 2006
- V. Sorathia, Z. Laliwala and S. Chaudhary, "*Towards Agricultural Marketing Reforms: Web Services Orchestration Approach*", IEEE International Conference on Services Computing, 2005.
- S. Chaudhary, Z. Laliwala and V. Sorathia, "*Architecture of Sensor Based Agricultural Information System for Effective Planning of Farm Activities*", IEEE Int. Conference on Services Computing, 2004.

Presentations

- "Service Grouping and Group Notification in Grid Business Process", ACM Compute 2008, Bangalore, India, January 2008.
- "Event-driven Service-oriented Architecture for Dynamic Composition of Web Services", Doctoral Symposium, ACM Compute 2008, Bangalore, India, January 2008.
- "Event-Driven Dynamic Web Services Composition: From Modeling to Implementation", Third Int. Conf. on Innovations in Information Technology (IIT06), Dubai, UAE, November 19-21, 2006.
- "Semantic based Service-Oriented Grid Architecture for Business Processes", IEEE International Conference on Services Computing, SCC 2006, Industry rack, Chicago, USA, September 18-22 2006.
- "Event-driven dynamic web services composition and automation of business process", IEEE SCC 2006, Work-In-Progress track, Chicago, USA, September 18-22 2006.
- "Semantic and Rule Based Event-Driven Dynamic Web Services Composition for Automation of Business Processes", SDWP Workshop in SCC/ICWS 2006, Chicago, USA, September 18-22 2006.
- "Event-driven dynamic web services composition and automation of business process", TCS Innovation Lab, Delhi, India, August-2006.

- "Introduction to Web Services Development and Deployment using IBM WebSphere and BEA WebLogic", CEP for employees of Reliance Infocomm, DA-IICT, India, 2005.
- "Distributed Computing using Java RMI", presentation at Distributed Computing workshop, CSI Ahmedabad, India, October – 2004.

Training

- Customized two days Liferay (Open source portal) Training at Renesas Technology, Tokyo, Japan, March 2008.
- Public four days Liferay Training at Cignex, Santa Clara, CA, USA April 2008.
- Customized four days Liferay Training at Cross Country Health Care, Boca Raton, Florida, USA June 2008.
- Public four days Liferay Training at Cignex, Santa Clara, CA, USA August 2008.

Academic Projects

Title: Developed Agricultural Information System for effective decision-making by using ASP.NET, C#, MS SQL server, MS analysis server, MDX queries and web services standards.

Title: Implemented Distributed Geographic Information System on Java enabled mobile devices using J2EE, J2ME (CLDP 2.0, MIDP 1.0), Java Servlet, UML, JSP, Java Bean, Oracle 9i and Oracle Spatial Database.

Title: Developed Travel Guide application for mobile devices using J2ME, JSP and MS Access

Title: Analysis and Mining of DA-IICT Telephonic Data using OLAP, IBM DB2 and IBM intelligent Miner.

Title: 16-bit CPU simulator implemented using Java, AWT/Swing.

Other Distinctions

- Third International Conference on Innovations in Information Technology (IIT06) 2006.
- 65th IEEE Vehicular Technology Conference, Spring (VTC), 2007.
- Information Resources Management Association (IRMA) International Conference, 2007.
- International Journal of Computers and Applications, ACTA Press, 2007.
- International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP), 2007.
- International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP), 2008.
- International Journal of Computers and Applications, ACTA Press, 2008.
- Springer Journal of Service Oriented Computing and Applications, 2008.

Affiliations

- IEEE Computer Society.
- Organization for the Advancement of Structured Information Standards (OASIS).
- British Library of Ahmedabad, India.

Personal Details

Date of Birth: 01st April 1976

Address: 2121/B, Dabgarwad Dariapur, Near Paras Type Class, Ahmedabad -380001, Gujarat, India.