Ashish Kumar Basak

House: Via Della Resistenza 64, Int H, Spre, Povo 38123 Trento, Italy
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Research Interests	I am particularly interested on software reliability and security, protection systems & application of Formal Methods to the analysis of software verification and validation.
Education	**Master of Science in Computer Science (Software Technologies),** 2010-2012 (expected) Universita Degli Studi Di Trento, Trento, Italy.
	Bachelor of Science in Computer Science and Engineering, 2002-2006 Khulna University of Engineering and Technology (KUET), Khulna, Bangladesh. GPA : 3.50/4.0 (Among Top 15% of the class)

Professional Experiences

Work Experience 1

Starting Date: 1st January, 2010   Closing Date: 31st July, 2010
Work As: Sr. Software Engineer
Employer: LEADS Corporation Limited, Bangladesh.
Website: www.leads-bd.com

Work Experience 2

Starting Date: 1st August, 2007   Closing Date: 31st December, 2009
Work As: Sr. Software Engineer
Employer: Noocleus Media Bangladesh Limited, Bangladesh.
Website: www.noocleusmedia.com

Work Experience 3

Starting Date: 1st May, 2006   Closing Date: 15th July, 2007
Work As: Software Engineer
Employer: Mars Solution Limited, Bangladesh.
Website: www.mars.com.bd

Technical Expertise

Designing scalable architecture for web apps. Developing apps for android platform, Developing SOAP & Restful web services, Mashups, Blog and Social networking apps, Research and Development. Localization, securing, optimizing and tuning web apps and database. Collaborating and writing technical project specifications.

Specialties

LAMP and WAMP, SQLLite, Javascript, Java EE, Spring Framework, Hibernet, XML, Testing Tools (SimpleTest, JMeter etc), NuSMV, SPIN model Checker, Concurrency Workbench, CORAS Tools, SI* Tools for Security Modeling, Android SDK, Amazon S3 and EC2, Google and Yahoo Maps API, Subversion(SVN), UML Design etc.

Professional Project Work	**1. agarmap.com** Work Role: Work in Database Design and Lead Developer where we develop map based search technique with clustering maps based on search results. **2. ras2ras.com** Work Role: Lead Developer of the Arabic online comparison research tools. 3. **renodigs.com** Work Role: Analysis, Design and Development Lead 3. **prothom-alojobs.com** Work Role: Main Developer
Development @ Post-Graduate Study	- As the requirement of the Course 'Computer Security', Performed requirements & organizational model analysis, risk assessment analysis, defining access control model and security policy & Architecture and Enforcement Mechanism for post issuance software update of smart cards. - As the requirement of the Course 'Requirement Engineering', conducted project, Conducting Feasibility Study on online real estate marketplace, Modeling Class, Use Case, Sequence and State Diagrams, Identifying Software Requirements Specification. Using Si* and ASTAH. - As the requirement of the Course 'Network Security', Developed java based secure social network client for smart phone (android). - As the requirement of the Course 'Laboratory of the service design and engineering', develop various soap and restful web services using JAX-WS, Dozer, and EJB with MySQL database. - As the requirement of the course 'Formal Methods' simulate the various problems and test using NuSMV and SPIN Model checker.
Thesis Work @ Undergraduate	FURTHER COMPRESSION OF JPEG IMAGES FOR MULTIMEDIA COMMUNICATION. Worked on Mathematical transform and reduction methods to compress JPEG images for transmit it through network without quality destroy.
Honors:	- Full Academic Scholarships for Masters of Science study which includes the full waiver of the tuition fee and living expenses from Opera Universitaria di Trento, Italy of behalf of Universita Degli Studi Di Trento. - Bangladesh Scholarship Council (**BSC**), Dhaka, Bangladesh Scholarship, 2002-2003 - Merit Scholarship for Bachelor of Science & Engineering study based on Academic Results from Khulna University of Engineering & Technology (KUET), Bangladesh 2002-2005
Others Skill:	- Strong analytical problem solver. - Have strong organization and communication skills. - A good team worker, flexible, can work under pressure. - Well-mannered, smart, structured, disciplined, punctual. - Have good IT, computing and internet skills. **References are available upon request**