

Rokan FARUQUI

I am a passionate software engineer. I have 5+ years of experience in building scalable, secure backed applications for large organisations using .Net, Ruby and frontends using Angular and mobile applications using Xamarin and Ionic. I have been working as a remote software engineer on contract with a geographically diverse team and collaborated using Git, Azure, Bitbucket. I am proficient in object-oriented programming paradigm (Python, C#, Ruby). I also have training on Machine Learning and Data Analysis. I have solid understanding of basic algorithms-data structures, software development methodologies, version control systems, continuous integrations, and production level deployment.




PERSONAL DATA

PLACE OF BIRTH: Chittagong, Bangladesh
PRESENT ADDRESS: Department of Computer Science and Engineering,
University of Chittagong, Chittagong, Bangladesh
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WORK EXPERIENCE

	Software Engineer XpertSolvers (xpertsolvers.com) Dhaka, Bangladesh	2017 - Present
	Associate Professor Dept. of Computer Science and Engineering University of Chittagong, Bangladesh	2017 - Present
	Research Assistant Dept. of Computing and Software McMaster University, ON, Canada	2013-2016
	Software Engineer (NSERC IPS INTERN) Palamino Inc (palominosys.com) ON, Canada	Dec'11-Feb'12
	Software Engineer (NSERC IPS INTERN) Palamino Inc (palominosys.com) ON, Canada	Jun'10-'10
	Research Assistant Dept. of Computer Science and Engineering St. Francis Xavier University, NS, Canada	2009-2021
	Lecturer Dept. of Computer Science and Engineering University of Chittagong, Bangladesh	2006 - 2009

EDUCATION

	PhD in <i>Computer Science (incomplete)</i> McMaster University Hamilton, ON, Canada	2013 - 2016
	MS in <i>Computer Science</i> St. Francis Xavier University Antigonish, NS, Canada	2009 - 2012
	BEng in <i>Computer Science & Engineering</i> Chittagong University of Engineering and Technology Chittagong, Bangladesh	2001 - 2005

LICENSES & CERTIFICATIONS

	<i>Google Cloud Big Data and Machine Learning Fundamentals</i> Issuing authority : Google Cloud Training Issued on October 2021. Credential ID : <i>Y54JNRVYDNQQ</i>
	<i>Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning</i> Issuing authority : DeepLearning.AI Issued on October 2021. Credential ID : <i>CB94H8YGBFBQ</i>
	<i>Teaching and Learning Foundations</i> Issuing authority : MIETL, McMaster University Issued on August 2016.

PROFESSIONAL TRAINING AND WORKSHOPS

Machine Learning	<i>SciTinyML: Scientific Use of Machine Learning on Low-Power Devices</i> , International Centre for Theoretical Physics (ICTP) , Trieste, Italy, 2021.
Data Analysis	<i>Joint ICTP-IAEA School on LoRa Enabled Radiation and Environmental Monitoring Sensors</i> , International Centre for Theoretical Physics (ICTP) , Trieste, Italy, 2018.
Wireless Networking	<i>ICTP-ITU School on New Perspectives on Wireless Networking</i> , International Centre for Theoretical Physics (ICTP) , Trieste, Italy, 2008.

HONORS AND AWARDS

Sep'16 - Aug'17	International Excellence Award , McMaster University, Canada - \$5,000/year
Sep'15 - Aug'16	International Excellence Award , McMaster University, Canada - \$5,000/year
Feb'10 - Jan'12	NSERC Industrial Postgraduate Scholarship (IPS 1) , Canada - \$21,000/year
2001-2004	Merit Scholarship [for all semesters], Chittagong University of Engineering and Technology, Bangladesh

FEATURED PROJECTS

.Net, Xamarin	ArcGIS based mobile application to manege natural resources , Think4F , USA.
Ruby, Postgres	Data Migration Tool , Australia.
Ruby on Rails, Linux	Report Mailer , Summit Alliance Port Limited , Bangladesh.
.Net, Angular	An Off-Dock Management System. ERP Solutions , Summit Alliance Port Limited , Bangladesh.

PUBLICATIONS

2021	Abdur Rakib, Rokan Uddin Faruqui , <i>Model checking ontology driven reasoning agents using strategy and abstraction</i> , Concurrency and Computation: Practice and Experience, e5205.
2020	Rokan Uddin Faruqui , <i>Modelling and Verifying Dynamic Access Control Policies in Workflow-Based Healthcare Systems</i> , Jurnal Kejuruteraan 32 (1), 1-7.
2012	Rokan Uddin Faruqui and Wendy MacCaull: OwlOntDB: A Scalable Reasoning System for OWL 2 RL Ontologies. In International Symposium on Foundations of Health Information Engineering and Systems (FHIES 2012) co-located with FM 2012 , Revised Selected Papers, LNCS Vol 7789, pages 105-123, Springer.
2012	Abdur Rakib, Rokan Uddin Faruqui , Wendy MacCaull, <i>Verifying resource requirements for ontology driven rule-based agents</i> . In 7th International Symposium on Foundations of Information and Knowledge Systems (FoIKS 2012) Kiel, Germany, LNCS Vol. 7153, pages 312-331, Springer.

TALKS

June 20-22, 2013	Fazle Rabbi, Wendy MacCaull, Rokan Uddin Faruqui : A scalable ontology reasoner via incremental materialization. In CBMS 2013, Porto, Portugal.
March 5-9, 2012	Abdur Rakib, Rokan Uddin Faruqui , Wendy MacCaull: Verifying resource requirements for ontology driven rule-based agents. In FoIKS 2012, Kiel, Germany, .
May 20, 2012	Wendy MacCaull, <u>Fazle Rabbi</u> and Rokan Uddin Faruqui : Next Generation Workflow and Data Management Tools with Application to Health Services Delivery, National Research Council, Fredericton, Canada.
May 04, 2012	Rokan Uddin Faruqui and Wendy MacCaull: Scalable Reasoning over OWL 2 RL Ontologies. 4th Atlantic Workshop on Semantics and Services (AWoSS 2012) , Halifax, NS, Canada.

LANGUAGES

BENGALI: Mothertongue	ENGLISH: Working Proficiency	ARABIC: Basic Knowledge
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