Present Address

5H, ECCH Lot 2 Al Rayyan, Qatar

(24 March 1987)

2017 – 2018	Carnegie Mellon University, Qatar (CMUQ) Research (developing/supervising): distributed graph a	Postdoctoral Research Associate nalytics systems. Teaching: Database Ap	
2010 – 2015	McGill University, Canada 4x Distributed Systems (COMP512), 3x Databases (CON	Teaching Assistant 1P421), 2x Software Systems (COMP206)	
	Environment World Company (EWC), Kuwait	Senior IT Systems Engineer	
2008 – 2009	Hardware, software, and network integration for seism	ic and air quality monitoring networks.	
2009 - 2016	McGill University, Canada	PhD in Computer Science	
2003 - 2008	Ghulam Ishaq Khan Institute (GIKI), Pakistan	BS in Software Engineering	
2000 - 2002	Chand Bagh School (CBS), Pakistan	GCE A-Levels	
1994 - 2000	International School of Pakistan (ISP), Kuwait	FBISE Matriculation	
2006 - 2008	System Administrator of MPI and LTSP Labs		GIKI 4 semesters
Fall 2007			GIKI 1 semester
Summer 2006			GIKI 2 months
Winter 2005	Winter 2005 Developed a data analysis application for K-EPA Air Quality Monitoring Network		EWC 1 month
Summer 2005	Delivered campus network infrastructure survey and fe	asibility study of upgrade to fiber	GIKI 2 months
C, C++, .NET (C#/VB), Java, Objective-C, Python, PHP, BASIC, MATLAB, OpenGL, HTML/CSS, JavaScript, Django, SQL, MPI, Bash SQL Server, Postgres, MySQL, Hibernate, JGroups, Hadoop (HBase/HDFS), Cassandra, Giraph, Turi (PowerGraph), GraphX/Spark			
AInstallation & Troubleshooting of Ethernet & Wi-Fi Networks (incl. HW/SW Routers & Firewalls) and Cellular Modems & RoutersSystems: Webserver (Apache, IIS, JBoss), Proxy (Squid, ICS), File Sharing (NFS, Samba), VPN, Wireshark, OPNET IT-GURU			
SolutionSolutio			
 Conducted workshops on Python and Robotics (vision-based navigation) for secondary and high school students. CMUQ; 2017-18 Presented paper + poster "Compaction Management in Distributed Key-Value Datastores" at VLDB + SoCC. Hawaii; Sep 2015 Presented paper "Transactional failure recovery for a key-value store" in ACM Middleware. Beijing; Dec 2013 Delivered tutorials on Web Services and lectures on Hadoop (HBase/HDFS) in COMP 512 (Distributed Systems). McGill; 2012-13 Conducted workshops on C++ and Extreme Programming (test-driven development & refactoring). GIKI; Spring 2007 Delivered presentation on "A Linux PC Lab on LTSP" representing GIKI at ICOST 2006. UET Lahore; Winter 2006 Delivered seminar on "How to Setup a Cluster in 15 Minutes" for ACM's All-Pakistan Event, SOFTCOM. GIKI; Fall 2006 			
 MY <u>Ahmad</u> et al.: LA3: A Scalable Link- and Locality-Aware Linear Algebra-Based Graph Analytics System. (Accepted: VLDB 2018) JV D'silva et al.: Secondary Indexing Techniques for Key-Value Stores: Two Rings to Rule Them All. EDBT/ICDT Workshops 2017 R Jiménez-Peris et al.: CumuloNimbo: A Cloud Scalable Multi-tier SQL Database. IEEE Data Eng. Bull. 38(1): 73-83 (2015) MY <u>Ahmad</u>, B Kemme: Compaction Management in Distributed Key-Value Datastores. PVLDB 8(8): 850-861 (2015) MY <u>Ahmad</u> et al.: Transactional Failure Recovery for a Distributed Key-Value Store. Middleware 2013: 267-286 			
 JV D'silva et al R Jiménez-Per MY <u>Ahmad</u>, B 	.: Secondary Indexing Techniques for Key-Value Stores: is et al.: CumuloNimbo: A Cloud Scalable Multi-tier SQL Kemme: Compaction Management in Distributed Key-V	bra-Based Graph Analytics System. (Ac Two Rings to Rule Them All. EDBT/ICDT Database. IEEE Data Eng. Bull. 38(1): 73 Galue Datastores. PVLDB 8(8): 850-861 (2	II 2006 cepted: VLDB 2018) Workshops 2017 -83 (2015) 2015)
	2010 - 2015 2008 - 2009 2003 - 2008 2000 - 2002 1994 - 2000 2006 - 2008 Fall 2007 Summer 2006 Winter 2005 Summer 2005 Winter 2005 Summer 2005 ET C, C++, .NET SQL Server, F T C, C, C++, .NET SQL Server, F C, C++, .NET SQL Server, F C, C, C++, .NET SQL Server, F Presented pap • Presented pap • Presented pap • Delivered tuto • Conducted wo • Delivered presented pap	Research (developing/supervising): distributed graph and McGill University, Canada 4x Distributed Systems (COMP512), 3x Databases (COM Environment World Company (EWC), Kuwait Hardware, software, and network integration for seism2008 - 2009Environment World Company (EWC), Kuwait Hardware, software, and network integration for seism2009 - 2016McGill University, Canada Ghulam Ishaq Khan Institute (GIKI), Pakistan 2000 - 20022000 - 2002Chand Bagh School (CBS), Pakistan International School of Pakistan (ISP), Kuwait2006 - 2008System Administrator of MPI and LTSP Labs CS Lab Instructor for courses: Compiler Construction; W Deployed MPI Lab (2 clusters: 6x Gentoo & 10x Debian) Winter 2005Winter 2005Developed a data analysis application for K-EPA Air Quad Summer 2005Winter 2005Delivered campus network infrastructure survey and fe SQL Server, Postgres, MySQL, Hibernate, JGroups, Hadoop (HBase/HI Systems: Webserver (Apache, IIS, JBoss), Proxy (Squid, ICS), File Shari Cloud: Amazon AWS (EC2, S3)0S/SysAdmin: Windows Server, Linux (Debian, Ubuntu, CentOS, Gent Cloud: Amazon AWS (EC2, S3)0Elivered tutorials on Web Services and lectures on Hadoop (HBase/HI Conducted workshops on C++ and Extreme Programming (test-driver of Delivered presentation on "A Linux PC Lab on LTSP" representing GIKI at Conducted presentation on "A Linux PC Lab on LTSP"	Research (developing/supervising): distributed graph analytics systems. Teaching: Database Application & Composition & Composition & Comparison &