

Rakibul Hassan

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WORK EXPERIENCE

Project Director, Integrated Lawful Interception System (ILIS)

Ministry of Home Affairs, NTMC

April 2016 to Nov 2021

1. Project Director, the largest "Lawful Interception System" for Bangladesh Government.
2. The system encompasses connecting all (250+ systems) the licensed telecom providers in Bangladesh.
3. Project Director of Datahub Project, Assisted NTMC from ground up with 40+ APIs, system design planning to optimization.
4. Assisted in designing and delivered the largest national embedded solution which is capturing National Internet IP traffic from IIG (International Internet Gateway) and ISP (Internet Service Providers and Internet Exchanges).
5. Worked with latest high tech, radio frequency imaging devices for better public service delivery like emergency services, fire services, High Precision GEO Location System, initiated the largest API lookup using MNOs datasets.

Director and (Systems and Services)

Bangladesh Telecommunication Regulatory Commission (BTRC)

Oct 2010 to April 2014

1. First military official to support BTRCs' regulatory strategies, updating the policy & legislative framework, licensing & convergence, access & interconnection, costing & tariff structure, spectrum band-plan based on IMT-2000, re-farming, competition & assessment of dominance (SMP), infrastructure & wholesale regulation.
2. Worked towards drafting on creation of a Competition /Antitrust Division for the communications market predatory pricing and margin squeeze cases.
3. Worked as Focal point on behalf of Bangladesh for all International Organization like World bank, Facebook, Google, ITU, APT, CTO, etc.
4. Member of committees like Spectrum Management (SMC), Bangla IDN Submission, National Frequency Allocation Plan 2005 (NFAP) Review.

PROFESSIONAL SUMMARY

1. Strategic analyst with psychometric profiling specialties - having experience in, forecasting, event prediction, inferring human personality.
2. Data Scientist, knowledge of collecting, importing, exporting, and querying industry (MNO, ISP, telecom service providers) data for analysis, converging data into interactive dashboards that enable policy makers to make informed strategic decisions.
3. Propensity towards discovering inefficiencies in the organizational bureaucracy and taking action aimed at improving innovative processes, solving complex problems, and understanding complex concepts.
4. Retired Military Officer, after 31 years of govt service, knows how to navigate the system to get the specific job delivered, guaranteed. Delivered numerous project ~\$800 millions.

SKILLS & PROFICIENCIES

- Empathy, Emotionally Intelligent
- Detail-oriented, Sharp, Mind mapper
- Interpersonal skills, Military Leadership
- Written and verbal communication
- Teamwork, Timely delivery
- Excellent Storyteller
- Data Driven, can connect the dots

AUTHOR, AI/ML BOOKS

First Bangla AI/ML book Author 2010 to Present

5 Bangla books are being sold in Amazon, US and other areas in Bangladesh



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WORK EXPERIENCE ...

Deputy Director (Systems and Services)

Bangladesh Telecommunication Regulatory Commission (BTRC)

July 2007 to April 2010

1. Lead drafter of major licensing guidelines of BTRC (2007-2014).
2. Have done thorough technology research for National Spectrum management and monitoring using embedded devices. Illegal use of spectrum/mobile phones' quality of services can be monitored from those embedded system.
3. Worked on Telecom's (MNO, NTTN, ISP) structural separation proposal & Interconnection cost modeling for Bangladeshi Market.
4. Project Manager for ITU consultations on MIS and Statistical Tool & Significant Market Power (SMP) Implementation, Quality of Service (QoS) guidelines implementation, etc.

Member Secretary, BD-CSIRT

Bangladesh Computer Security Incident Response Team (BD-CSIRT)

January 2012 to April 2014

1. BTRC initiated to facilitate the detection, prevention of all Licensees customers
2. Communicated to all Internet Intermediaries.

Instructor Class 'A', School of Signals

Signal Training Centre and School (STCS)

September 2015 to April 2016

May 2014 to July 2014

1. Train the leaders of 'Corp of Signals'. The signal officer leads the Signal Corps, which is responsible for the Army's entire systems of communication. Officers plan and execute all aspects of communication on a mission and are critical to the Army's continued success. A signal officer requires completion of the Signal Officer Basic Course, where they learn the skills and operational aspects that are used in the net-centric warfare.
2. 'School of Signals' offers post-commissioning training to officers who generally have little to no prior military communication experience to obtain the skills necessary to continue on to his job. My teaching area of expertise encompasses 'Spectrum Management', 'Antenna Theory', 'Antenna and Wave Propagation', Radio Relay Theory and 'Military Communications Security'.

EDUCATIONAL BACKGROUND

75+ Global Trainings/Certifications

(can be supplied on request)

Bangladesh University of Professionals (BUP)

PhD Researcher (2017-)

Future of Education, Learning Management System

United International University

MSc. in Communication Engineering (MSCE)

Jan 2007 Dec 2009

With required undergraduate prerequisites.

US Army Signal Center, Fort Gordon, Georgia, USA

Information Systems OP-Analyst 531-74B10

June 2002 April 2003

Infocomm Development Authority (IDA), Singapore

Telecommunication Regulatory Executive Training

April 2010 May 2010

Catalit Data Science, San Francisco, USA

Machine Learning and Deep Learning Bootcamp

September 2019 to September 2019

TCI International, Inc. Fremont, CA 94538, USA

Automated Spectrum Management/Monitoring

Feb 2008 April 2008 (2 trainings)

Information & Communications Networks Training Institute, Munich, Germany

SIEMENS's ISDN Communication Networking Services

Aug 2000 Nov 2000

TOT Academy, Nonthaburi, Thailand

Telecom Regulation: Fundamental concepts of current key issues

Nov 2014 Dec 2014

Data Science Dojo, Chicago, USA

Data Science & Data Engineering Bootcamp

(Machine Learning with Python and R)

April 2017 to April 2017

BRBRA Institute of Telecom Training, BSNL, Jabalpur, India

Concept of Design and Implementation of MPLS Core Network

Jan 2008 March 2008

University of Chittagong

Bachelor of Arts - BA

Economics, History, Military Subjects

June 1990 June 1992

Pabna Cadet College (HSC and SSC)

Science Background

Jan 1983 Dec 1989

(Continue)

Rakibul Hassan

WORK EXPERIENCE ...

Staff Officer, Civil Military Coordination

United Nations Operation in Cote D'Ivoire

July 2014 to August 2015

United Nations civil-military coordination (UN-CIMIC)

provides the interface between the military component of a UN peace operation.

1. Worked on the political, humanitarian, developmental, human rights, and rule-of-law components of the mission, and supported as well many other external partners in the larger peace building system.
2. It is a crucial function of any complex peace operation because it is central to the mission achieving a system-wide impact on the conflict it is attempting to transform. My job is to coordinate between mission military components and civil counterparts, and between the mission and the rest of the system, in order to ensure a sustainable peace process.

Grade Staff Officer -2, Signals Directorate

Army Headquarters, Bangladesh Army

November 2006 to July 2007

Looked after Falcon Eye Project, the largest military microwave network alongside the Army Head Quarters network (groupware, Sun Servers, Cisco Solution).

Communication Officer, Signal Platoon Commander

United Nations Mission in the D. R. Congo

April 2003 to April 2004

1. Designed and supported the communication requirement for Bangladesh Battalion. To support numerous camps in different geographic locations, a main + backup communication channel was maintained alongside covering troops in front lines and operations.
2. Had given technical assistance and advised Commanders preparing the deployment plan of military operations on the basis of all ground reconnaissance.

Grade Staff Officer -2, IT Directorate

Army Headquarters, Bangladesh Army

March 2000 to September 2002

Worked as founding GSO-2 for Networking Cell for initial military network framework, planned and designed present military network extended to Divisions.

EDUCATIONAL BACKGROUND

75+ Global Trainings/Certifications

(can be supplied on request)

School of Signals (ICT) Fort Georgia, USA

Info Assurance Security Officer Cert Course

December 2002 to December 2002

ITU CoE Network, PT Authority, Pakistan

Implementing Mobile Number Portability (MNP)

Oct 2007 Nov 2007

Asia Pacific Telecommunity, Sydney, Australia

Workshop - E-Application/ E-Governance

October 2011 to October 2011

Asia Pacific Telecommunity, Singapore

Workshop - Standardization of IPTV

February 2010 to February 2010

ISS World Middle East, Dubai, UAE

Electronic Surveillance and Cyber Intelligence

March 2019 to March 2019

International Telecom Union, Bangkok, Thailand

Workshop on TD-LTE Tech & Spectrum

November 2013 to November 2013

ISS World Asia, Kuala Lumpur, Malaysia

Intelligence Support System for Lawful Interception

December 2016 to December 2016

Advanced Level Telecom Training Center, BSNL, Ghaziabad, India

Next Generation Network (NGN) and IP based TAX (Trunk Automatic Exchange)

March 2007 April 2007

Yaana Tech, San Francisco, USA

Integrated Lawful Interception System (ILIS) Comp

November 2017 to November 2017

ISS World Middle East, Dubai, UAE

Lawful Interception and Mass Surveillance

March 2018 to March 2018

NorthStar Communication, Denmark

Lawful Interception Monitoring Centre

June 2018 to June 2018

ITU, Universiti Sains Malaysia

Migration to IPv6 Training Course (ITU Online)

August 2010 to August 2010

ILIS Factory Level Training, Italy, Austria, USA

Integrated Lawful Interception System (ILIS)

June 2016 to June 2016

Helios, UK, held at BTRC

Propagation, Modulation, Spectrum Efficiency,

Radio Technology, NFAP I,II and Spectrum Pricing

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WORK EXPERIENCE ...

Staff Captain (Grade 3), Army Signal Brigade

January 2001 to December 2001

Networked all pcs of Army Signal Brigade with FreeBSD/
Linux network systems.

Grade Staff Officer -3, (GSO-3), Signals Directorate

May 1997 to April 1999

Worked as Grade Staff Officer -3, (GSO-3) to install the
military network connecting more than 550 pcs and Army
Signals Brigade Headquarters.

Served in other Military Stations (for brevity)

June 1991 to June 1997

- 1.Details are in www.linkedin.com/in/raqueeb/*
- 2.Always worked in IT as Communication specialist.*
- 3.Worked in IT Directorate, Signals Directorate (twice) in
Army Headquarters, Dhaka Cantonment.*
- 4.Planned and delivered communication service in far flung
areas like D.R. Congo and Ivory Coast.*

PORTFOLIOS

Artificial Intelligence in Bangla Website

<https://aiwithr.github.io>

<https://raqueeb.github.io/excel>

All Published Books

Amazon, USA

<https://www.amazon.com/dp/B089NTNG3R>

<https://www.amazon.com/dp/B089NWHC96>

<https://www.amazon.com/dp/B08FGVM5DL>

Rokomari, all 5 books

<https://www.rokomari.com/book/218840>

Github Portfolios, 28 Repositories

<https://github.com/raqueeb>

Artificial Intelligence Online Classes, 250+ videos

youtube.com/রকিবেরসাথেকৃত্রিমবুদ্ধিমত্তা