

CURRICULAM VITAE



MD. ASIFUR RAHMAN

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Personal Statement

To be an excellent professional by exploring new technology and utilizing my experience and training in a fast paced and challenged environment.

Skills

- C, C#, JavaScript, TypeScript, Java, Assembly.
- Angular 7
- .net, .net Core, NodeJS (ExpressJS), Electron JS
- Entity Framework, Sequelize, Mongoose
- AWS ec2, API gateway, AWS Lambda
- Docker, Jenkins, Docker swarm
- Rabbit MQ, Redis Cache
- Visual Studio, Android Studio.
- Visual Studio Code
- SQL Server, MongoDB, PostgreSQL, My SQL.
- Microcontroller: Atmel, PIC and Arduino.
- Compiler: Mirko Pro for PIC, MPLAB, Keil, AVR Studio.
- PCB Design: Proteus

Professional Experience

Intricate Lab

Full Stack Developer:(June 2017 to present)

1. Full stack development with ASP .net MVC, .net forms and JavaScript
2. Handle client for Training, Wireframing UAT and CR and manage project

Major Project:

- An interactive learning aid tool “Knowledge Bay” – Bangladesh NAVY
- E - tendering system for NSD Khulna with MVC C#.
- Event calendar and scheduling for directorate of NAVAL Training with MEAN stack.
- App and Web based switching device with MQTT (Mosquito server) and esp8266 and PIC12f675 and Electron JS
- Language Lab software with C# and remote monitoring tools

Tesla Power Lab BD

Founder & Director (September 2014 to March 2017)

1. Raspberry pi(python) and Dropbox based low cost Monitoring system for **Supreme Court Bangladesh**.

Tasks:

- A) Update of ongoing case information on kiosk.
 - B) Remote monitoring and update of information of ongoing court bench.
2. Fingerprint time attendance software system with C# win-form
 3. Multitenant SaaS Small ERP
 4. Nodejs based 3g auction bidding software
 5. 8051 based controllers for Vacuum drying machine for Rahim Afroz Bangladesh. (Product Developer)
 6. Night firing device for **Bangladesh ARMY (signal mess 3. Jessore cantonment)**.

Infinity Bangladesh

Project Manager for AFIS (September 2013 to July 2014)

- Automatic Fingerprint Identification System (AFIS) in forensic application for **Chief Investigation division (CID) Bangladesh**. (Team Leader)

Tasks --

1. Data conversion tool to convert/pick up the data of existing AFIS and NIST file.
2. Fingerprint Data acquisition with Live scanner and document scanner
3. Image processing tool for optimizing latent and poor print using NIST standard
4. Rolled, latent, slap and ten print segmentation search using NIST standard.
5. NIST MINEXII standard minutia extraction
6. NIST ITL 2011 standard base matcher
7. Document Case processing
8. NIST Standard Interoperability of data
9. Automatic error checking and report generation

Gardenia BD

Embedded product developer (January 2012 to June 2013)

- Site Management Unit and low-cost RFID access controller for BTS room of **Grameen Phone (Telenor) Bangladesh** in partnership with Product Plus solution. (Project partner & Developer).
- Creston PLC (Programmable logic Circuit) programming with logic gates for lighting control of hotel **le meridian** Dhaka. (Developer and project leader)

BRAC University

BRAC IT (October 2010 to October 2011)

Academic Qualifications

BRAC University, Dhaka

B.Sc. (Engr.) In ECE

Dhaka College, Dhaka

H.S.C. (Higher Secondary Certificate Programme)

B.A.F. Shaheen College Kurmitola, Dhaka

S.S.C. (Secondary School Certificate Programme)

Publications

- M. R. Hasan, A. Rahman and A. Azad, "Feasibility and Importance of an Automatic Controller for Solar Hot Water System" Proceedings of IEEE Global Humanitarian Technology Conference (GHTC 2011) - Technology for the Benefit of Humanity, October 30 - November 1, 2011, Seattle, Washington, USA –
See more at: <http://www.bracu.ac.bd/about/people/dr-akm-abdul-malek-azad>.
- M. R. Hasan, K. Arifin, A. Rahman, A. Azad, "Design, implementation and performance of a controller for uninterruptible solar hot water system" Proceedings of IEEE 18th International Conference on Industrial Engineering and Engineering Management (IE&EM), China, September 2011 –
See more at: <http://www.bracu.ac.bd/about/people/dr-akm-abdul-malek-azad>

Extracurricular Activities

- MEMBER OF CONTROL APPLICATION RESEARCH GROUP(CARG) OF BRAC UNIVERSITY
- MEMBER & MENTOR OF ROBOTICS CLUB.

BRAC University

Founder of Robotics Club (2006 to 2010)

- **Chondrobot I for NASA LMC 2011, Designer & Developer**
 1. NASA Robotic Mining Competition is for university-level students to design and build a mining robot that can traverse the simulated Martian chaotic terrain, excavate Martian regolith and deposit the regolith into a Collector Bin within 10 minutes.
 2. The technology concepts developed by the university teams for this competition conceivably could be used to robotically mine regolith resources on Mars.
 3. NASA will directly benefit from the competition by encouraging the development of innovative robotic excavation concepts from universities which may result in clever ideas and solutions which could be applied to an actual excavation device or payload.
 4. The complexities of the challenge include the abrasive characteristics of the basaltic regolith simulant, the weight and size limitations of the mining robot, and the ability to tele-operate it from a remote mission control center.
 5. The competition is conducted by NASA at the Kennedy Space Center in Florida. The teams that can use telerobotic or autonomous operation to excavate the basaltic regolith simulant, called Black Point-1 or BP-1, and score the most points wins the Joe Kosmo Award for Excellence.
 6. BRAC University under Dr. Khalilur Rahman has qualified for the NASA LMC 2011 and participated in the competition as the first team ever to venture at NASA from Bangladesh.
 7. Link-- --
http://www.nasa.gov/offices/education/centers/kennedy/technology/nasarmc.html#.VInyx_mSzQM
 8. 2011 participant list -- http://www.nasa.gov/sites/default/files/past_competitors_0.pdf.
- Research associate at CARC (Control application Research Centre), a research group of BRAC University dedicated to develop control system with Linux and microcontroller
See more at -- <http://carc.bracu.ac.bd/directory.html>

Language Skills

- Bangla
- English

Personal Details

Father : Late Md. Sydur Rahman
Mother : MRS Sheuli Rahman
Date of Birth : 26th March 1986
Nationality : Bangladeshi by birth.
Religion : Islam.
Marital Status : Single.

References

Dr. Khalilur Rahman

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Department of Computer Science,
BRAC University

<http://www.bracu.ac.bd/about/people/dr-md-khalilur-rhaman>

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