**

***Curriculum Vitae***

**MD RUKUNUZZAMAN**   
Cell: +8801711081120, email: [rukunuzzaman@grameenphone.com](mailto:rukunuzzaman@grameenphone.com)   
Mailing Address: *ka 16/3/D(1st Floor), South Kuril, Badda, Dhaka 1207, Bangladesh  
Nationality: Bangladeshi; Date of Birth: Nov 28, 1984*

**PROFILE:**

* An Expert in design & development of in-house OSS Solutions software, under Multivendor Telecommunications platform based on System demand, delivering high-availability and performance.
* Expertise in Object-oriented Analysis/Design and Java Standard/Enterprise development along with Oracle database programming.
* In-depth knowledge of NBI communications protocols used in OSS domain & implementing them in diverse programming languages as per architectural design requirement of different OSS solutions.
* Analytical thinker that consistently resolves ongoing issues or defects, often called upon to consult on problems that have eluded resolution by others
* Solid Management skills, demonstrated proficiency in leading & mentoring individuals to maximize levels of productivity, while forming cohesive team environments

EMPLOYMENT HISTORY:  
  
 *LEAD ENGINEER*

OSS |Operations |Technology |[Grameenphone Ltd.](http://www.grameenphone.com)

Dec, 2010 > Present

Responsibilities:

* Convert Operational Business requirements into Technical Software Specification.
* Architectural design/development of in-house alarm management software (FM & PM) for Radio, Core, IP & transmission Nodes.
* OSS layer Network Inventory & Planning Tools Management (NERM), Telecom interfaces programming, Network bulk data process & update in Inventory
* Administration, Management & Customization of Telecommunications NMS & OSS Software (Commercial Off-The-Shelf & In-House)
* Support continuous improvement of software by investigating alternatives and technologies and presenting these for architectural review.
* Integrate applications by designing database architecture and server scripting; studying and establishing connectivity with network systems (through NBI), Central Inventory, and information servers
* Contribute in all phases of the software development lifecycle, Write well designed, testable, efficient code.
* Ensure designs are in compliance with specifications. Prepare and produce releases of software components.
* Performance tuning and optimization of Software to gain operational excellence.
* Technical Lead in OSS Projects and mentoring junior Engineers.

*SYSTEM ENGINEER*

Network Integration & Configuration |Operations |Technology |[Grameenphone Ltd.](http://www.grameenphone.com)

Dec, 2007 > Dec, 2010

Responsibilities:

* Integration & Configuration of Ericsson/Huawei Access nodes (BTS), SDH Transmission nodes (MUX), E1 & Signaling Configuration in Core nodes (MSS, TSS & BSC)
* Perl Scripting to automate bulk configuration jobs

*Assistant Manager*

Instrumentation & Quality Assurance| [Techno venture Ltd](http://www.venturegrp.net/index.php)  
Aug, 2007 > Dec, 2007

Responsibilities:

* Maintenance & Troubleshooting of SCADA (supervisory control and data acquisition) System
* Suggest improvement scopes wherever necessary based on HV & LV test results.

**TeCHNICAL Expertise:**

* JAVA: J2SE, J2EE, JMS, EJB, JSP, JSF, OOP
* Application Servers: WebLogic/GlassFish/JBOSS/Tomcat
* C/C++, PERL, JavaScript, AJAX, OS Scripting, Work Flow, JBPM
* NBI programming: SNMP, TELNET, CORBA, SMPP, SMTP, TCP/IP, HP NMS/TeMIP
* Database: Oracle 9i/10g/11g(PL/SQL), MySQL 4/5, MS-SQL 2000/2005, PostgreSQL 8.2.
* Linux, Windows 2000/2003 Server/XP, Solaris, HP-UX

**EDUCATIONAL BACKGROUND:**

**Bachelor of Science in Electrical & Electronic ENGINEERING (EEE) (2007)**  
 KHULNA university Engineering & TECHNOLOGY (KUET), Khulna, Bangladesh

Higher Secondary SCHOOL Certificate (2002)  
Cantonment Public College, Rangpur, Bangladesh

Secondary School CERTIFICATE (2000)  
Cantonment Public School, SAIDPUR, NILPHAMARY, Bangladesh

**ACCOMPLISHMENTS:**

1. **NERM Magic BOX**

MAGIC BOX is the centralized SDH Inventory & Planning Software under giant NERM (Network Engineering & Resource Management) solution stack of Grameenphone Ltd. This software works on heavy implementation of SNMP protocol based communication on JAVA platform between network nodes (Nokia Siemens) & Inventory, where data accuracy is a great concern for efficient E1 Planning.

Role & Responsibilities:

Technical Lead, Architecture design & development of Auto-synch & Circuit Stitch (SNMP based Auto Network Discovery, Inventory update, Circuit Stitch)

1. **OPERATIONS EYE**

Operations Eye is centralized Network KPI Management & Monitoring Software for Grameenphone Ltd. KPI raw data are fetched from different North Bound Interfaces(NBIs) - FTP/TELNET/SNMP/CORBA of Multivendor Nodes (Ericsson/Huawei/Cisco), followed by conversion (parsing) and Database insertion, finally empowered by Data Aggregation according to Business Rules and KPI based Alarm Management is managed with minimal OPEX. Its core business logic can be accessed from Web Service client. Developed system has a very robust graphical web UI/Dashboard, email & SMS based Alarm Notification System along with provision for auto-ticket generation for specific alarms.

Role:   
 System Architect & Lead Software Engineer  
 Responsibilities:

* Responsible for Core Technical Architecture Both for Hardware and Software
* Requirement Analysis. Write USE cases & USE case diagrams using Unified Modeling Language (UML) and Design Patterns.
* Developed the software as a team member.
* Guide and Motivate Junior Software Engineers

1. **3rd-EYE**

3rd-Eye is an in-house NMS developed by Grameenphone OSS for BTS External Alarm (FM) collection & SMS based fault notifications to regional Engineers. This software is the revamp version of old iNMS system developed on JAVA Enterprise platform that efficiently applies J2EE JMS feature. Distributed plug & Play type alarm collection beans for different node types make the system scalable & easily maintainable. Robust Message management system (MMS) manages the SMSC communication & provides web service interface to external systems to send SMS via web service call.

Role & Responsibilities:

Software Developer, Development of distributed alarm collection module, database population & common MML configuration command gateway.

**TRAINNINGS:**

1. Oracle Database 11g: Managing Oracle On Linux for DBAs (2012)
2. Oracle Real Application Cluster( RAC) and Grid Infrastructure Administration (2012)
3. Oracle Metasolve Administration Training - Oracle University, Singapore (2012)
4. HPNMS TeMIP Expert Developer Training (2011)
5. Tektronix Signal Monitoring Administration, Operation & Maintenance (Geoprobe & SpiProbe) (2011)
6. Ericsson AXE Blade Cluster Operation & Maintenance
7. Linux Operating System & Server Configuration.
8. Training on Huawei M2000 EMS Administration

**Other Certifications:** Cisco Certified Network Associate (CCNA) 2007  
 Cisco Certified Network Professional (CCNP ROUTE) 2010

**Technical Conference Papers:**

Md. Rafiqul Islam, Md. Rukunuzzaman, Md. Ruman Alam “Design and Implementation of PC-based High Performance Automatic Voltage Regulator”, 10TH INTERNATIONAL CONFERENCE ON COMPUTER & INFORMATION TECHNOLOGY (ICCIT 2007)

**Language proficiency:** English: Fluent (speaking, reading, writing)  
 Bengali: Native language

**Personal Details:** Father’s Name: Md. Moksudar Rahman  
 Mother’s name: Rasheda Rahman   
 Place of Birth: Rangpur, Bangladesh  
 Date of Birth: Nov 28, 1984  
 Permanent Residence: Home#33 & 35, Dhap Sardar Para, Rangpur, Bangladesh

**References:**

**A.K.M. Al-Amin**Deputy Director & Head of Partner Management  
Partner Management, Technology, Grameenphone Ltd  
Contact: +8801711505532

E-mail: [alamin@grameenphone.com](mailto:alamin@grameenphone.com)   
 **Abu Yusuf Mohammad Sayem**General Manager & Head of OSS  
OSS, Operations, Technology, GrameenPhone Ltd.  
Contact: +8801711505275  
E-mail: [sayem@grameenphone.com](mailto:sayem@grameenphone.com) **Dr. Md. Rafiqul Islam**   
Professor  
Department of Electrical & Electronic Engineering (EEE)  
Khulna University of Engineering & Technology,  
Khulna-920300, Bangladesh  
Phone: +880-41-769471~5, Ext-321  
E-mail: [mrafiq@eee.kuet.ac.bd](mailto:mrafiq@eee.kuet.ac.bd)   
  
**Prof. Dr. M. M. A. Hashem**  
Head  
Department of Computer Science & Engineering  
Khulna University of Engineering & Technology,  
Khulna-920300, Bangladesh  
Tel / Fax: +880 41 774318 (office),  
PABX: +880 41 769471 Ext. 350(Off), 352(Res)  
E-mail: [hashem@cse.kuet.ac.bd](mailto:hashem@cse.kuet.ac.bd)