



02 August, 2013

To Whom It May Concern

This letter is to certify that **Md. Rukunuzzaman** is a full-time (40 hours/week) employee of Grameenphone Ltd. from 26 December, 2007 till now having job ID - 4459. Grameenphone Ltd. is a **Telenor** Affiliated Norwegian company and the largest and pioneer telecom operator in Bangladesh providing voice, data and value added services to approximately 40 million subscribers. He joined as **System Engineer** and currently working as **Senior System Engineer** in *Operation System Support (OSS)* under Operations, Technology Division.

In Grameenphone Ltd. **Md. Rukunuzzaman**, is mainly responsible for following Tasks:

1. Convert Operational Business requirements into Technical Software Specification
2. Design and develop high-volume, low-latency software applications for mission-critical OSS systems, delivering high-availability and performance.
3. Contribute in all phases of the software development lifecycle.
4. Write well designed, testable, efficient code.
5. Ensure designs are in compliance with specifications.
6. Prepare and produce releases of software components.
7. Support continuous improvement of software by investigating alternatives and technologies and presenting these for architectural review.
8. Integrate applications by designing database architecture and server scripting; studying and establishing connectivity with network systems (through NBI), Central Inventory, and information servers
9. Evaluate and identify new technology to optimize the OPEX (Operational Expense)
10. Performance tuning and optimization of Software to gain operational excellence.

His task involves following technical areas:

- ▲ J2SE, J2EE, JMS, EJB, C/C++
- ▲ WebLogic/GlassFish/JBoss/Tomcat, Work Flow, JBPM
- ▲ JSP, JSF, OOP, JavaScript, AJAX, OS Scripting
- ▲ SNMP, SMPP, HP NMS / TeMIP
- ▲ 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

Md. Rukunuzzaman has strong sense on **Software Engineering** which I have found very helpful for completing any project successfully. He has also good analyzing, designing and programming skills.

His major achievements were at Grameenphone Ltd. include the following:

▲ **Project: OPERATIONS-EYE**

Description: Operations Eye is a multi-platform, centralized Telecom Network KPI management software solution for Grameenphone Ltd. This Software fetches raw data/information from different telecom North Bound - Interfaces (NBI)-TELNET/FTP/CORBA in Multivendor Environment (Ericsson/Huawei/HP-NMS (TeMIP)), followed by conversion (parsing) and database insertion, finally empowered by Data

I CERTIFY THAT THIS IS A TRUE COPY
OF THE ORIGINAL COPY
05-08-2013
AHAMMAD HOSSAIN
Advocate
Bangladesh Supreme Court
and NOTARY PUBLIC
Whole of Bangladesh
50, Habib Super Market (3rd Floor)
Gulshan-1, Dhaka-1212
Mobile : +8801712-036168,
Fax No : 192

Grameenphone Ltd.

Office:
GP House
Bashundhara, Baridhara
Dhaka-1229, Bangladesh

Phone : +88-02-9882990
Fax : +88-02-9882970
Web : www.grameenphone.com

✓
S.



Aggregation according to Business Rules and KPI based Alarm Management is managed with minimal OPEX. XML based task definitions and advanced flow control functions provide a flexible and powerful server program for enterprise databases. Its core business logic can be accessed from various sources like Web Service client, CORBA client, EJB client etc. Developed system has a very robust graphical web UI email & SMS based alarm notification System.

Team member(s): 5

Role Played: 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

Software/Tools used: Java, JSP, Java Server Faces (JSF), J2EE, J2SE, JBOSS, EJB 3.0, JPA/JTA, Glassfish, JavaScript, Ajax, CSS, Perl and Oracle Database.

OS: Solaris, Linux & Windows XP Professional.

▲ **Project: NERM MAGIC-BOX**

Description: NERM (Network Engineering & Resource Management) MAGIC BOX is the centralized SDH planning Inventory & Workflow Solution Software for Grameenphone Ltd. This software is a heavy implementation of SNMP protocol based communication based on JAVA platform between network nodes (Nokia Siemens) & Inventory. The Software facilitates deep level Synching of very complex SDH Inventory with Real Network & supports efficient planning through Work Flow.

Team member(s): 5

Role Played: System Architect & Lead Software Engineer

Responsibilities:

- ▲ Responsible for Core Technical Software Architecture
- ▲ Requirement Analysis
- ▲ Write USE cases & USE case diagrams using Unified Modeling Language (UML) and Design Patterns.
- ▲ Developed the software as a team member.

Software/Tools used: Struts, Java, JSP, Java Server Faces (JSF), J2EE, J2SE, JBOSS, EJB 3.0, JPA/JTA, Weblogic, JavaScript, Ajax, CSS and Oracle Database.

OS: Solaris & Windows XP Professional.

▲ **Project: iNMS**

Description: iNMS is a Telnet based Real time BTS alarm Collection Software from Huawei & Ericsson nodes in Grameenphone. Along with it processes important



I CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL COPY.

05.08.2013
AHAMMAD HOSSAIN
Advocate
Bangladesh Supreme Court
Add: 100 BARR PUBLIC
Whole of Bangladesh
50, Habib Super Market (3rd Floor)
Guishan-1, Dhaka-1212
Mobile: +8801712 038 188
Reg. No: 192

Grameenphone Ltd.

Office:
GP House
Bashundhara, Baridhara
Dhaka-1229, Bangladesh

Phone : +88-02-9882990
Fax : +88-02-9882970
Web : www.grameenphone.com



alarms, performs RCA against those & notifies concerned engineers through SMS based push-pull service.

Team member(s): 4

Role Played: Analyst Programmer

Responsibilities:

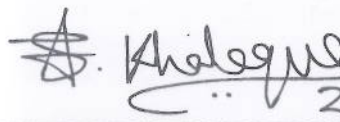
- ▲ Requirement Analysis and Design as a team member.
- ▲ Write USE cases & USE case diagrams using Unified Modeling Language (UML).
- ▲ Developed the software as a team member.

Software/Tools used: Core Java, JSP, Java Server Faces (JSF), Visual basic, Batch/Shell Scripts, Perl, JavaScript, Ajax, CSS and Oracle & MS-SQL Database.

OS: Solaris & Windows Server 2003.

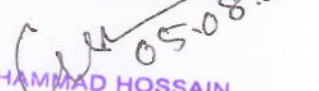
I have found **Md. Rukunuzzaman** confident and responsible as well as trustworthy and committed to his duties. He has the capacity to work independently as well as in team environment.

I wish him every success in his life.


2-Aug-2013

Md. Saiful Khaleque
Manager
Operation System Support (OSS)
Operations Department, Technology Division
Grameenphone Ltd.
E-mail : s_khaleque@grameenphone.com
Contact: +8801711504045

I CERTIFY THAT THIS IS A TRUE COPY
OF THE ORIGINAL COPY


AHAMMAD HOSSAIN
Advocate
Bangladesh Supreme Court
and NOTARY PUBLIC
Whole of Bangladesh
50, Habib Super Market (3rd Floor)
Gulshan-1, Dhaka-1212
Mobile : +8801712-036168
Reg. No : 192



Grameenphone Ltd.

Office:
GP House
Bashundhara, Baridhara
Dhaka-1229, Bangladesh

Phone : +88-02-9882990
Fax : +88-02-9882970
Web : www.grameenphone.com