

Hillol Sarker

BSc Engg in CSE, BUET

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Education Summary

B.Sc	Bangladesh University of Engineering & Technology (BUET)	2005		CGPA: 3.48
HSC	Comilla Victoria College	1999	Comilla Board	1 st Division(*) with 83.1%
SSC	Comilla Zilla School	1997	Comilla Board	1 st Division(*) with 87.6%

Technical Summary

Languages/Script

C++; VC++ (MFC, Win32); wxWidget; C#.NET;
Java; PHP; OpenGL; Assembly; Java Script; Prolog

Development Tools

Microsoft Visual Studio 2003, 2005
Microsoft Visual Studio 6.0
Embedded Visual Studio 3.0, 4.0

RDBMS

MySQL; Oracle 8i, 9i; SQL Server 2000; MS Access

Technologies

GPS Interfacing
TCP IP management of embedded device.

Project Management Tools

Microsoft Visio
Microsoft Project
Perforce
SVN

Operating System

Windows Vista, XP, 2000,98
Fedora

Training Summary

- ❖ Training on NMS development for Generic SNMP device.
 - Metarnet.
 - Beijing, China.
 - <http://www.metarnet.com/english/about.htm>
- ❖ Training on RADIUS Server (AAA services), PortaBilling100 web interface, Perl, Modules, Apache Web Server, MySQL Database.
 - Porta One.
 - Dhaka
 - <http://portaone.com/products/portabilling/pb100/>
- ❖ Fiber Optics Multiplexer Training on HUAWEI Metro1000, OSN 1500, OSN2500, T2000, OptiX Navigator.
 - Huawei.
 - Dhaka
 - <http://www.huawei.com>

Professional Experience

Relisource Technologies Limited, Dhaka, Bangladesh/Boston, MA, USA

<http://www.relisource.com>

July 2007 – Present

Software Engineer

- ❖ VFX Edit
 - Advanced Editor for Editing parameter of Game Development of EA.
 - VC++, wxWidget, Win32, XML, DTD.
 - Fields are written in XML Template, and Generate UI dynamically. Supports Undo Management, Live Update to Xbox 3000, PS2, PS3.

Bangla Phone Ltd, Dhaka, Bangladesh

<http://www.banglaphone.net.bd>

October 2005 – June 2007:

Engineer.

- ❖ SDH Generic Device Management Software.
 - Umbrella software for management of multivendor SDH device.
 - C++, MFC, ACE OS, oracle 8i.
 - It has basically 3 parts
 - Low level device communication part named DP (Device Pooler).
 - Message Server (for Communication of multiple distributed modules)
 - Graphical Interface (for users)
- ❖ Voice Balance Query.
 - Voice balance query for prepaid service.
 - C++, MySQL
 - ITU-T Q.1218, ITU-T Q.771, ITU-T Q.711, RFC 3322.
 - Communicates with billing server, get the balance of customer, parse it and sending command to SSP to play voice sequence.
- ❖ Fiber Core Planning & Maintenance Software
 - Design & finding flaw & attenuation in fiber network. Using GPS, OTDR.
 - C#, MySQL.
- ❖ Billing Auto Report Generator.
 - Report Generation using Crystal Report integrating with Porta One.
 - C#, MySQL, Crystal Report

ACI Bangladesh Limited

<http://www.stochasticlogic.com>

June 2005 – September 2005

Quantitative Software Developer.

- ❖ Hedging Model
 - Hedging Model for share market's Stochastic Behavior, depending on historic stock value.
 - Visual C++6.0, C#, Java, S_PLUS, Mathematica, MATLAB.

Structural Data System Limited (SDSL).

<http://www.sdsl-it.com>

Now a days, named after Parent Company Afrigis <http://www.afrigis.co.za>

April 2004 - May 2005

Part-time Programmer.

- ❖ Airscanner Firewall
 - Firewall for Windows CE Embedded device.
 - MFC, EVC4.0, Microsoft Platform Builder.
 - PPC2002, PPC2003, Dell Axim x30, Dell Axim x50
- ❖ Pocket Map
 - Map Navigator for Windows CE Embedded device.
 - MFC, EVC3.0/4.0
 - Firewall for PDA [PPC2002, PPC2003, HPC].

Personal Projects

- ❖ Remote Desktop.
 - Remote Screen in TCP IP LAN/Internet, Mouse event, Keyboard Event.
 - C#.NET COM Component.
- ❖ Windows Tweaker.
 - Tweaking windows settings, Registry bug fixing...
 - C#.NET, DevX
- ❖ Voice Commander
 - Speech Recognition, speech activated keyboard event, mouse event, process manipulation...so on.
 - MFC, Microsoft Speech API