

# Hadi Fakhreddine

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## Education

- 2005 **Lebanese American University** (Beirut, Lebanon)  
Bachelor of Science - Computer Science  
Masters of Science - *ongoing*
- 2001 **Grand Lycée Franco-Libanais** (Beirut, Lebanon)  
French Baccalaureate - Scientific / Math section

## Publications

- 2008 Lebanese American University (2008)  
**Simulation Systems: Traffic Lights Simulation Model** Fakhreddine H.
- 2007 Lebanese American University (2007)  
**TCP/IP Congestion Control** Fakhreddine H., Ismail Z., Mahjoub M.
- 2005 Lebanese American University (2005)  
**iLAN: Interfacing Computers Nearby** Fakhreddine H.

## Professional Experience

- 2007 - 2008 **EVER East Med / Arachnea**  
**Application Architect**  
Developed a Vendor Knowledge Base for world renowned consulting company Booz Allen Hamilton. The web application consists of collecting information about the company's customers (vendors) and deducing evaluation reports.  
(ASP.NET/JavaScript/AJAX/SQL Server 2005/Crystal Report XI)
- Worked on and maintained a DMS (Document Management System) for world renowned company CSC (Creditcard Services Company). The DMS focuses on keeping records about contracts signed by the organization's customers worldwide.
- MHIS (Military Healthcare Information System). The application consists of stock and accounting sub-systems, used throughout the subsidiaries of the Lebanese Military pharmacies.  
(ASP.NET/JavaScript/AJAX/SQL Server 2005/Crystal Report XI)
- DCM (Debt Collection Management System). A web application involving the organization of a debt collection workflow.  
(ASP.NET/SQL Server 2000)
- POB (Port Of Beirut) web application. The system keeps track of incoming and outgoing containers coming through the POB.  
(ASP.NET/Oracle 10g)
- 2006 - 2007 **SABIS Educational Services**  
**Project leader**  
Worked on the development of the EECS (English Exam Generation System). EECS is an advanced software allowing the automatic generation of exams by dynamically building questions from a large data store. (C#.NET/SQL Server 2005)
- Developer**  
Worked on the development of the ITL (Integrated Testing and Learning) software used in over 44 schools around the world by the Sabis schools network. ITL is a software allowing students to take online examinations along with delivering full and detailed reports. (C#.NET/ C /SQL Server 2005)

2001 - 2006

**CEDARCOOL CO.**

**System administrator**

Technical support and solutions developer for the company's two branches.

**Personal Experience**

April 2007

**BugDiscovery**

a .NET component used to track bugs at runtime. Gives the ability to review all the steps that have led to a runtime crash by simulating the user's behavior on all open forms of the application. (C#.NET)

**Dynamic Application Loader**

a .NET application loader allowing the dynamic addition of plug-ins to any compiled assembly, and the modification of the assembly's code. The loader's main technique works by dynamically modifying the application's core (on-the-fly) by manipulating IL instructions. (C#.NET / MSIL)

**Lab Tube Analyzer**

Co-engineered a lab tube analyzer for senior project at the Lebanese American University. Analysis results include temperature, humidity and volume of blood tubes. (C / Basic Electronics)

January 2006

**CEDARCOOL.COM - Founder**

Database-driven website featuring products listing of Cedarcool's business-to-customer car electronic products. Website managed through CMS. The latest feature introduced was the G-Card, a solution that allows customers to stay up-to-date with their car's status at the Cedarcool maintenance branch. (PHP / VB.NET / MySQL)

July 2005

**SSF**

*Sales and Stock Framework developed a full sales/stock application, involving creation of invoices, adding/deleting stock items, managing multiple warehouses, managing multiple suppliers, automatic website products listing updates, online ordering, multiple branches handling. (VB.NET / MySQL)*

May 2005

**iLAN**

*Full application allowing the control of remote computers on the network; featuring image capturing, video capturing, instant messaging, full control take-over, along with a complete application debugger. (VB.NET / C# / C++)*

February 2005

**BMS**

*Bookstore Management System Database-driven focusing on products listing and clear GUI, making use of the GUI Enhancers. (VB.NET / MS Access)*

October 2004

**GUI Enhancers**

*Components Ranging from "form skinners" to panel hiders and GUI animators. (VB.NET / C#)*

September 2004

**Cyrillic-to-Latin**

*Dictionary-based Cyrillic to Latin converter. (VB.NET) sept2004*

July 2004

**WAP chat application**

*Chat Application Text files based system allowing chatting over the Wireless Application Protocol on all mobile devices.*

December 2003	<b>Linux Mouse Simulator</b> <i>a simulator of the mouse behavior on most Linux-based systems featuring the instant copy of the highlighted text and paste on wheel button click. (VB.NET / C# / C++)</i>
September 2003	<b>File Splitter</b> <i>small chunks file splitter and re-assembler allowing custom file sizes. (VB.NET)</i>
August 2003	<b>SOFTFORWARD.NET - Founder</b> Fully experimental website, the hosted account serves as an advanced experimental virtual lab for all PHP and ASP web-based applications. Full administrator of hosting and domain registration ( <i>PHP / ASP 3.0 / ASP.NET</i> )
May 2002	<b>DIRECT X LAN Broadcast</b> Windows application allowing the broadcast of audio throughout the Local Area Network using DirectX and DirectSound. ( <i>VB 6.0 / C++</i> )
April 2001	<b>BESTAIM.COM – Founder</b> Database-driven website featuring products listing of mobile phones and computer parts and accessories, and a written-from-scratch online auction. ( <i>ASP 3.0</i> )

## Computer Skills

### Programming languages

Visual Basic.NET, C#, C, C++, Java, Visual Basic 6.0, Assembly

### Web development and Markup languages

PHP, ASP 3.0, ASP.NET, HTML, XML, WML, AJAX

### Scripting languages

JavaScript, VBScript, Macromedia Flash ActionScript

### Database systems

MySQL, MS SQL SERVER, Microsoft Access

### Design & Multimedia

Extensive knowledge in Adobe Photoshop CS2

Macromedia Flash MX

Macromedia Dreamweaver, Microsoft FrontPage

GoldWave, Fruity Loops, Sonic Foundry ACID, Sonic Foundry Vegas

### Miscellaneous

Microsoft office

## Certifications

### MCSD.NET

Microsoft Certified Solution Developer *ongoing*

## Languages

Fluent in **English, French, Arabic.**

## Activities

### Lebanese Higher National Conservatory

Classical singing

### Judo

Seven times winner of the Lebanese Judo Championship.

Two times winner of the Lebanese VS Cyprus Championship (in Cyprus).

### Computer assembling

Own personally assembled computers.

Further information available at <http://hadi.softforward.net> or upon request.