

# Eman Hossny Abd Elghony

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## Objectives:

Researching in clouding computing field and obtaining an entry level in a reputable company as a freelancer developer, in the field of software development where my skills can be utilized and developed.

## Biography

- Eman Hossny is Lecturer assistant at Faculty of Computers - Cairo University. She is second year PhD student. Eman Hossny got her B.Sc in computer Science from Faculty of Computers - Cairo University, 2005. She received her master degree in Web Service Composition from Faculty of Computers - Cairo University, 2010.

## Education:

- 1 PhD Student in Faculty of Computers and Information- Cairo University (FCI-CU), from September 2012 – till now.
- 2 M.Sc. Computer Science, April 2010.
- 3 B.Sc. Computer Science, May 2005.
- 4 Total graduation grade is excellent, second rank.
- 5 Graduation Project "Secure Banking System".
- 6 Graduation Project grade is excellent.

## Publications:

- Hossny, E., Khattab, S., Omara, F., & Hassan, H. (2014). "Implementing generic PaaS deployment API: repackaging and deploying applications on heterogeneous PaaS platforms," Accepted for publication in *Int. J. Big Data Intelligence (IJBDI)*.
- Hossny, E., Khattab, S., Omara, F., & Hassan, H. (2013, December). "A Case Study for Deploying Applications on Heterogeneous PaaS Platforms," In *Cloud Computing and Big Data (CloudCom-Asia), 2013 International Conference on* (pp. 246-253). IEEE.

- Hossny, E., Salem, S. and Khattab, S., "Towards Automated User-Centric Cloud Provisioning: Job Provisioning and Scheduling on Heterogeneous Virtual Machines," In *proceedings of the 8<sup>th</sup> international conference on informatics and Systems (INFOS)*, May 2012.
- Hossny, E., Abdelrahman, S. and Badr, A., "An Intelligent Web Service Workflow: A Petri Net Based Approach," *Information Systems Journal* 4, 1-11 (2010).

## **PhD Abstract**

- Cloud Platform as a Service (PaaS) model, which provides developers with ability to implement their applications remotely through the cloud and in a pay-per-use method, is attracting many developers to start using PaaS services. However, migrating applications among the heterogeneous PaaS platforms is a huge challenge that makes some developers worry about using PaaS services. Therefore, in my PhD research, we will propose a middleware layer for handling the heterogeneity of PaaS platforms and allowing different PaaS platforms to communicate/interoperate with each other.

## **Projects:**

- Work in the EASI-CLOUDS project as a member from CU team. We implemented security solutions to be used in the cloud, namely: DDoS, Bot-TraceBack (BTB). These two services are deployed to cloud foundry PaaS platform. Also, we extended the COAPS API to include Google App Engine platform.

## **Experience:**

- Share in designing and installing Cloud Computing lab in Faculty of Computers and Information- Cairo University, 2013.
- Lecturer Assistant in FCI-CU
- Freelancer using PHP and MySQL.
- Freelancer using j2me.
- Instructor in AIC Center.
- Trainee, Elmokawelon Elarab, summer 2004.

## **Technical skills:**

### **- Programming languages:**

- 1 C++
- 2 VC++
- 3 C#
- 4 Familiar with VB
- 5 Java(j2se, j2me, j2ee)
- 6 Assembly Language

### **- Web Technologies**

- 1 RESTful
- 2 ASP, ASP.Net.
- 3 PHP
- 4 Java Script, VB Script.
- 5 HTML, CSS
- 6 XML

### **- Database Management Systems DBMS**

- 1 ClearDB (DBMS for cloud computing)
- 2 MS SQL Server2000
- 3 MySQL

## **Design Skills:**

- 1 Good understanding of Object Oriented Concepts.
- 2 Good understanding of Database designing concepts.
- 3 Documenting and Designing applications using UML.

## **Soft Skills:**

- 1 Interactive and fast enough to learn new technologies and sciences.
- 2 Advanced Research Abilities.
- 3 Self Motivated.
- 4 Hard Worker.

5 Ability to work in team.

## **Graduation Project:**

### **1 Description:**

Secure Banking System (SBS) is designed to provide their customers with more secure, efficient, and easy-to-use banking system, where customer can use all SBS services from his home.

### **2 Tools and Technologies:**

- J2SE 1.4
- Borland JBuilder X.
- Microsoft SQL Server 2000.
- Java RMI communication technology.
- Animation shop.
- Unlead cool.

## **Master in Web service composition (An Intelligent Web service workflow):**

### **1 Description:**

Fuzzy Petri Net for Web Service Composition (FPN4WSC) is proposed to compose the individual web services into more complex one. It is a workflow model which is hybridization between Petri net, SHOP2, and fuzzy logic.

### **2 Tools and Technologies:**

- J2EE
- SOA
- Eclipse
- MySQL

## **Personal Information:**

**Birth Date:** November 01, 1983.

**Marital Status:** Married.

**Language:**

Arabic: Excellent

English: Good