

Mohammed Makhlof

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Technical Profile

PHP, JavaScript, C, C++, C#, Java
Zend Framework, JQuery, Dojo, Qt, BOOST , Smarty
HTML5, XHTML, , CSS3, XML, JSON
MySQL, SQLite, MSSQL2008, CouchDB, mongoDB, Cassandra, Amazon SimpleDB
Amazon {EC2, S3, CloudFront, Elastic MapReduce}, Hadoop, Apache, Nginx, Red5, Helix DNA,
Git, SVN, CVS
Symbian OS/C++, {BlackBerry, Android}/Java,
ASP.NET, Actionscript

Experience

Assiut University, Assiut, Egypt

Autumn 2009-Present

Teaching Assistant

TA for Data Structures, Technical Report Writing, Web-based Information Systems, Programming language analysis, Decision support systems, System Analysis and Design, Ecommerce and Service Management.

MicroEuropa Telecom, Lisbon Area, Portugal

February 2010-July 2010

PHP Developer

Worked remotely on part time basis to develop Zend framework based web applications. Developed hosting management system with fully integrated web store.

Future Group (ContenTech), Cairo, Egypt

August 2009-December 2009

Software Developer

Worked Remotely on part time basis to develop major in-house web application (ERP system written in PHP4).

Selected Projects

Simple MoCloud: (Project Leader, Programmer)

The simple mocloud API is an attempt to bring the cloud technologies natively to mobile platforms, allowing mobile application developers to develop native mobitop application.

<http://www.simplemocloud.com>

MobiTopi: (Project Leader, Programmer)

Developed a live mobile video broadcasting system where the mobile client was built using Symbian C++ and the web back-end built using PHP and zend framework (MVC) utilizing Red5 to stream the live video. The project was one of the runners-up on the "Vodafone Student Developers Competition".

Holomino: (Project Leader, Programmer)

Developed a web based enterprise management system that is highly modular utilizing the MVC architecture and built completely with open source technologies. This was the graduation project towards the B.Sc.

<http://holomino.googlecode.com>

Skills

Architecting MVC web application and framework development in PHP5/Zend Framework.

Programming and developing significant web applications in PHP5/MySQL.

Developing Service Oriented Architectures, web services and cloud computing based application Amazon Web Services and Windows Azure.

Developing and maintaining CMS based websites using wordpress, digitalus and other Custom Software.

Developing Ajax based rich internet application (Dojo, JQuery and other frameworks).

Mobile Platform development in .Net CF/C#, Symbian C++, Blackberry and Android in Java.

Object Oriented Programming with C++, PHP and C#, Java, JavaScript & Programming in C.

Relational database design and implementation in MySQL, MSSQL 2005, MSSQL 2008 and SQLite.

NoSQL design and implementation using CouchDB, mongoDB, Cassandra and Amazon SimpleDB.

Map/Reduce distributed systems development using Hadoop and Elastic MapReduce.

Web design in HTML 4.01, XHTML and HTML5.

Managing and configuring LAMP servers with Nginx in different configurations.

Managing and configuring streaming servers (Red5, Helix DNA).

Education

Assiut University, Assiut, Egypt

B.Sc. in Computer and Information Sciences, Information Systems, June 2009

- GPA: 86.24%
- Distinction with Honors Degree, Ranking 1st in the program

Talks & Publication

- **Writing a PHP book about Amazon Web Services** for Packt Publishing
- Web Application Development Fundamentals
- Bottom line web services
- Software Engineering and Project Management Ad Hoc Stories
- Web 2.0 Connect People not just information

Other

- Fluent spoken and written English. (TOEFL iBT 105/120)
- Native Arabic Speaker.

