

Khaled Al-Sham'aa
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Education:

- B. Sc. In Electrical & Electronics Engineering-Computer Engineering, Aleppo University 1998.
- Diploma in the Automation & Industrial Electronics, Aleppo University 2000.
- Diploma in Computer Engineering, Aleppo University 2005.
- Master in "Application of Hidden Markov Models in Gene finding", Aleppo University (under graduated).

Technical Skills:

Language: Perl, Visual Basic, VBA, Prolog, R-Language.
Database: MySQL, Microsoft Access.
Tools: Macromedia Dreamweaver, Adobe Photoshop, CVS, GenStat, BioPerl, CakePHP.
Internet: HTML, PHP, JavaScript, CSS, Apache and IIS web server.
Operating Systems: Windows (9x, NT, W2K, XP, 7), Linux (Fedora, Suse).

Work Experience:

- PHP and Arabic language project www.ar-php.org, founder and leader, Feb 2006 - Present.
 - » We develop an open source solutions and provides professional support helps small and medium size companies meet the complex challenge of developing professional Arabic websites in the PHP/MySQL environment by providing set of classes includes render Arabic text (PDF, GD, SWF), advanced Arabic search (stem based), Arabic text auto summarization, present dates in Arabic or Hijri, Arabic/English transliteration, spell numbers in Arabic idiom, phonetically alike Arabic words, identify names & places in Arabic text, extract Arabic text from UTF-8 docs, and more...
- International Center for Agricultural Research in the Dry Area www.icarda.cgiar.org (ICARDA), Aleppo, Syria, Scientific Software Engineer, Aug 2002 - Present.
 - » Provide biometrics support for developing Genetic Resources, Crop and Genomic Information and Analysis Systems at ICARDA.
 - » Participate in database and web-based system development on Internet and Intranet. This includes develop several dynamic websites for international partners.
 - » Develop ICARDA BioComputing service, which provides an access to the power of customized GenStat scripts in a web platform, and present it in a several courses inside and outside Syria.
 - » Participate in training ICARDA and NARS staff by deliver practical sessions in ICARDA biometrics courses using GenStat statistical package as well as develop training materials. Courses includes: Iran Mar 2004, ICARDA Feb 2005, Asmara Feb 2005, ICARDA Sep 2005, GCSAR-Syria Nov 2005, ICARDA Jun 2006, ICARDA Aug 2006, INRAA-Algeria Feb 2007, ARC-Libya Mar 2007, GCSAR-Syria Jun 2007, ICARDA Aug 2007, ICARDA Jun 2008, IRESA-Tunis Oct 2008, Bahrain Mar 2009, Tashkent Jun 2009, ARC-Libya Feb 2010 (in total more than 500 trainees).
- Teaching PHP hands-on and advanced in several training centers (includes ExecuTrain, Zoom, CPC, GSIBC, Manarat, etc...) for more than 150 trainees since 2003 (see PHP Aleppo Google Group).
- Business Optimization Consultants (B.O.C) bocme.com, Aleppo, Syria, Website security specialist, Dec 2004 – Aug 2005.
 - » I am responsible to take care about websites security issues in addition to increase the efficiency of the development environment (implement CVS system, set a procedures and standards).
- Ray publishing and science www.raypub.net, Aleppo, Syria, as a supervisor/editor in the web technologies section, Aug 2003 – Jul 2006.

- Maktoob maktoob.com, Amman, Jordan, Software Engineer/Programmer, part time job September 2002 – February 2003.
 - » CashU shopping system, enable users to buy books from (amazon.com) by CashU cards (cashucard.com). I used socket technology in addition to shopping cart connected to the CashU server API. Development was performed on Red Hat Server using MySQL db and Perl language.
- Business Optimization Consultants (B.O.C) bocme.com, Aleppo, Syria, senior web developer, Feb 2000 – Jul 2002.
 - » Programming team leader effort to develop the first Arabic/English Auction site on the web (MazadMaktoob.com, currently become Souq.com), development was performed on LAMP (Perl).
 - » Programming team leader effort to develop the Waseet newsletter web site (ewaseet.com).
- Syriamica (syriamica.com), Aleppo, Syria, Software Engineer / Programmer May 1999 – Jan 2000.
 - » Design and develop Time Accounting Management and Payroll Application works directly with barcode machine. I used Visual Basic 6.0, SQL-Server, ADO 2.1, and Crystal Reports 6.0.

Lectures, seminars and presentations:

- Taught Bioinformatics for graduate class at the Biotechnology department in the Technical Engineering collage, University of Aleppo (spring 2009 and spring 2010).
- I delivered PHP workshop in Aleppo University sponsored by CPC from 7 to 12 Feb 2009.
- I presented "Manage Open Source Projects" seminar, iCommunity FOSS-Workshop in Feb 4, 2009.
- I presented seminar titled "Introduction to Some of Developer Tools in the Open Source Software World" in the "Open source Information Systems" Conference in Nov 12-13, 2008.
- I delivered workshop on develop websites using PHP language in Aleppo university sponsored by CPC from 9 to 13 Nov 2008.
- I delivered workshop on CVS in the Aleppo branch of Syrian Computer Society in Feb 28, 2008.
- I presented seminar titled "PHP and Arabic Language" in the Second Syrian Conference on Free/Libre and Open Source Software SCFLOSS'02 in Nov 21-22, 2007.
- I presented seminar titled "Convert standalone computer software into web applications" in the ninth symposium on "Information systems" under auspicious of SCS in Nov 27-29, 2004.
- I gave a lecture on E-Commerce in Talkala (Homs) culture center in Sep 19, 2004.

Workshops and conferences:

- Participate in the Molecular Breeding Platform start-up meeting. Hyderabad, India 17-24 Feb 2010.
- Participate in the International LinkSCEEM HPC Conference held in Paphos, Cyprus 6-8 Oct 2009.
- Participated in the First Arabic Content National Conference, 13-15 Jun 2009 in Damascus, Syria.
- Participated in the Arab Techies Code Sprint, which will be held in Cairo from May 20th till May 23rd, with the goal to find solutions to known Arabic language processing problems.
- Participated Utilization of Intelligent Systems for Plant Protection workshop. Aleppo, 6-7 Mar 2006
- Participated ICT-KM workshop on interoperability and web services. Rome, 13-17 Jun 2005.
- Participated Free & Open Source Software workshop. Damascus, 2-4 Mar 2005.
- Participated ESCWA workshop on "On-Farm Water-Use Efficiency". Beirut, 13-15 Oct 2003.
- Participated in the 2nd Int. Al-Shaam Conference on IT. Damascus, 26-29 Apr, 1999.

Open Source:

- Author of PHP and Arabic language project: <http://www.ar-php.org>
- Author of more than 20 PHP classes that has been published at phpclasses.org website: <http://www.phpclasses.org/browse/author/189864.html>
- Author of Rama CMS: <http://www.hotscripts.com/Detailed/48318.html>.

Publications:

- Author of "PHP and Arabic Language" book published by Ray publishing in 2007: http://www.raypub.com/catalog/book_info.php?products_id=678

Translate six technical books in PHP, HTML, and JSP published by Ray publishing:

http://www.raypub.com/catalog/book_info.php?products_id=704

http://www.raypub.com/catalog/book_info.php?products_id=703

http://www.raypub.com/catalog/book_info.php?products_id=490

http://www.raypub.com/catalog/book_info.php?products_id=463

http://www.raypub.com/catalog/book_info.php?products_id=459

http://www.raypub.com/catalog/book_info.php?products_id=416

- Set of articles published in the SCS Informatics magazine:
 - PHP and Arabic language, issue 21, Nov 2007, pages 56-59.
 - Statistics and Arabic Language, issue 25, Mar 2008, pages 42-45.
 - CVS client tool, issue 26, Apr 2008, pages 30-33.
 - Setup and Configure CVS Server, issue 28, Jun 2008, pages 50-53.
 - Google Gears, last step for ideal web applications, issue 29, Jul 2008, pages 26-28.
 - AJAX technology in programmer point of view, issue 33, Nov 2008, pages 52-54.
 - Test and Document PHP code, issue 35, Jan 2009, pages 10-13.
 - Firebug, tool for web developing, issue 36, Feb 2009, pages 58-60.
 - HTML 5, issue 51, May 2010, pages 58-61.
 - SVG, issue 54, Aug 2010, pages 46-49.
 - JSON, issue 55, Sep 2010, pages 44-47.
 - Firefox add-ons, issue 56, Oct 2010, pages 38-41.

Courses and Certificates:

- University of Oxford's "Statistics for Biosciences" online course, 2 Mar 2009:
<http://bioinfomsc.stats.ox.ac.uk/subjects/Stats.html>
- Red Hat Linux Essentials (RH-033) and Red Hat Linux System Administration (RH-133)
30 Aug – 4 Sep 2008.
- University of Oxford's "Perl Programming for Bioinformatics" online course, 2 Oct – 10 Nov 2006:
http://www.conted.ox.ac.uk/cpd/biosciences/courses/online_courses/perl_programming.asp
- Brainbench certificates in PHP 4, HTML 4.0 and 3.2, JavaScript, SQL (ANSI) Fundamentals, Web Design Concepts, E-Commerce Concepts, Dreamweaver MX, etc. For more information you can check here: <http://www.brainbench.com/xml/bb/transcript/public/viewtranscript.xml?pid=2558431>
- Participated in a training course in Utilization of Expert Systems in Agriculture Research and Production from Oct 4, 2004 to Oct 14, 2004.
- Oracle JDeveloper in ITCC center (Oracle authorized education partner), Amman 4-8 Apr 2004.
- Participate in two English courses in the British Council teaching center – Syria.

Professional memberships: Member of Syrian Computer Society (www.scs-net.org) since 1996.

Languages: Arabic and English.

Visited countries: Syria, Kuwait, Lebanon, Jordan, Iran, Eritrea, Egypt, Italy, Algeria, Libya, Tunisia, Bahrain, Uzbekistan, Cyprus, UAE and India.

Personal Data: **Nationality:** Syrian. **Date of birth:** 2 Aug 1975
 Place of birth: Kuwait. **Marital status:** Married.
 Driving license: Full, clean **Interests:** F1, billiards, reading.

I am working in international, multi-cultural, multi-ethnic environment with sensitivity and respect for diversity. References available on request.