Doaa Khaled Muhammed

Contact Information

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Personal Information

Birth Date: 11 August 1987
Gender: Female
Nationality: Egyptian
Marital Status: Married

Work Experience

[**IQVIA**]   [Senior Software Developer Analyst]   [Aug'20 till Present]

Responsibilities:

Developing مليون صحة 100 software, a web application tool to maintain the whole cycle of the national medical insurance in Egypt by Vertx framework using micro services structure.

— Solid knowledge with Vertx, HL7 (Health Level Seven), and payer system (EMS).
— Implementing new features for EMS application.
— Building EMS Reporting module.
— Enhancing EMS structure and performance.
— Providing guidance, support for team members.
— Providing help in EMS management.
— Consult with customers or other departments on project status, proposals, or technical issues, such as software system design or maintenance.
— Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system.
— Consult with engineering staff to develop specifications and performance requirements, or resolve customer problems.
— Store, retrieve, and manipulate data for analysis of system capabilities and requirements.

[**SiliconExpert**]   [java Engineer]   [Apr'16 till July'20]

Responsibilities:

Working with experienced java developers, the team is responsible for developing, maintaining, support, and develop different modules..

— Develop backend APIs by spring boot which integrate with DBs and Solr search engine.
— Develop front-end modules using Angular
— Develop an application using open source API to crawl data from websites, which feed our system by needed data of datasheets of ICs.
— Develop an application using Solr library to index large database, and merger cores together.
— Develop front-end module of reports using GWT.
— Work in admin application which is responsible for creating new users with privileges' in front-end side(using Angular) and back-end side (using springboot).
— Care about clean code, code coverage, and creating unit tests by TestNG, Junit, and sonarLint.
— Modify existing software to correct errors, to adapt it to new technologies and improve performance.

[**Faculty Of Engineering, Ain Shams university**]   [Senior Software Engineer]
[Jan'16 till March'16]

Responsibilities:

PHP Developer using codeigniter technology share in development and design of the web application of the development of student information systems which serve the new credital hours extension added to the Faculty of Engineering in Ain Shams University.

- Develop reports system.
- integrate MPR module with the application .

[**Diagnosoft**] [Senior Software Engineer] [Oct'14 till Aug'15]

Responsibilities:

Developing VIRTUE software, a diagnosis tool for cardiologists and cardiovascular doctors, using C++ and C# languages, and WCF webservice.

- Modify existing software to correct errors, to adapt it to new technologies and improve performance.
- Develop or direct software system testing or validation procedures.
- Direct software programming and development of documentation.
- Consult with customers or other departments on project status, proposals, or technical issues, such as software system design or maintenance.
- Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system.
- Consult with engineering staff to develop specifications and performance requirements, or resolve customer problems.
- Store, retrieve, and manipulate data for analysis of system capabilities and requirements.

[**NouraynSoft**] [Jan'10 – Sep'14] [Software Engineer]

Started as a Java developer [6months], then web developer [1 year], then Desktop Developer [6 months] and finally iOS Developer, [2 years, 7months]

Responsibilities:

- Developing iOS applications, updating, and maintaining existent iOS applications on Xcode framework, like AlMosally and Qirat. (This it's link of Al Mosally on Google play https://play.google.com/store/apps/details?id=com.moslay)
- Developing web services and web applications by PHP.
- Developing desktop applications using Java by using netbeans and Qt C++.

- Participate in iOS applications "Almosally- Qirat- Time Oragnizer"
- Perform an iOS application about Weather
- Perform web services to use their response at mobile application
- Do admin control panels for websites
- Customize and configure an open source web based enterprise server (Apache Solr) for Web Applications
- Participate in Desktop Applications using java JSP "Alomsally- Index & Search for documents"

Education

B.Sc. Computer and Systems, Faculty of Engineering, Ain Shams University, 2009.

Graduation Project, **(Mouse Replacement using Hand Gesture Recognition)**

A Perceptive Sensing Solution for Mouse Replacement using Hand Gesture Recognition Description: This system will use multiple-camera solution to track the hand movement and translate that movement to mouse movement and click events. This project proposed touches less interactive system as mouse replacement to point and click Presentation systems. The system used computer vision and image processing techniques to convert simple hand movements into direct mouse control.

Technologies: c#/visual C++/Matlab

Skills

Technical Skills,

- Strong C language
- Strong Java, C++
- Very Good Objective C, C#
- PHP
- MySQL, SQLITE, SQL Server
- HTML, AJAX , JavaScript , CSS

- Atmega32 and its peripherals
- FreeRTOS

Language Skills,

English [Very Good, Speaking, writing and reading]
Arabic [Mother tongue language]

Personal Skills,

Self-Motivation
Work under pressure
Adaptability
Time/Task Management
Initiative
Creative
Positive Attitude

Hobbies/Activities

Writing, Reading,