



Alaa' Agha

Software Engineer

Istanbul | +90 546 259 7267 | alaa.s.gha@gmail.com

A self-motivated Software Engineer with over four years of experience in Software Development including Web applications, Mobile Applications and Desktop applications. Very good skills at Database Management, Systems Analysis, Systems Architecture Design and Testing. Up to date with cutting edge techniques and methodologies in Software Engineering and Information Technology. Expert in many programming languages and familiar with many others. Able to work on long or short-term projects.

EXPERIENCE

JUN 2016 - PRESENT

- **Head of Technology**
SON Ekspertiz Sigorta Ekspertlik Hizmetleri
1 Project

APR 2016 - JUL 2016

- **E-Commerce Remote Developer**
Parabol Reklam Ltd. Şti
Plug-in developer for <https://www.pluscanvas.com> project.
4 Months - 1 Project

JAN 2016 - JUN 2016

- **Software Developer**
Tam Otomatik
6 Months - 1 Project

SEP 2013 - JAN 2016

- **Freelance Software Engineer**
2 Years 5 Months - 4 Projects

SEP 2012 - SEP 2013

- **Freelance Software Developer**
1 Year 1 Month - 2 Projects

EDUCATION

2010 - 2015

- **Bachelor's degree, Computer Software Engineering, Good.**
Damascus University
7 Projects - 24 Courses

PROJECTS

JUN 2016 - OCT 2016

- **Değermatik**
SON Ekspertiz Sigorta Ekspertlik Hizmetleri
Cross-Platform Desktop application for automate the process of creating and generating depreciation reports for car insurance companies.
The project supports multi-user with multiple roles. It also has each of authentication, authorization, and user activities tracking services.

This project was implemented using AngularJs Framework, Electron Framework for building cross-platform desktop applications.

JAN 2015 - AUG 2015

● **ERP System for Diana Medical Company**

Diana Medical

ERP System for managing Accounting and HR Departments in Diana Medical Company, and provide reports for all accounting and HR issues in company. This project can be installed on multi branches of the company and make a data synchronization between branches with a centralized data center in the main branch.

This project was implemented using ASP.NET MVC 5 and MS SQL SERVER for database management and Synchronization.

SEP 2014 - JUN 2015

● **Model Driven Framework for Generating Mobile Applications on Cross-platform**

Damascus University as a Graduation Project

Simplify the creation of applications for mobile platforms by developing a high-level and platform independent model of an application.

Automatically transforming this high-level model to platform specific code.

Move from code to code generation (Industrial).

Provide an easy drag-and-drop tool to add pages to your app and upload content manually or automatically.

This Project was implemented using ASP.NET MVC 5.

JAN 2016 - JUN 2016

● **A set of websites that each has a full content management system**

Tam Otomatik

A set of full-responsive cross-browser websites, with cutting edge technologies in web design and responsive methodologies. With full content management platform build with PHP (Codeignitor Framework) and Mysql:

- Bilique Atolye: <http://www.bilique.net>
- Özcan Sakız: <http://www.ozcansakiz.com.tr>
- Redbull The Summer Edition: <http://www.tropikalyaz.com>
- Tam Otomatik Son Model Reklam Ajansı: <http://www.tamotomatik.com>
- SYS.COM.TR: <http://www.sys.com.tr>
- Dias Hotel: <http://mydiashotel.com>

APR 2016 - JUL 2016

● **NopCommerce Plugins**

Parabol Reklam Ltd. Şti

Vendor Accounts Plugin, Customer Notifications Plugin for pluscanvas.com e-commerce portal.

Project Url: <https://www.pluscanvas.com>

OCT 2015 - FEB 2016

● **Online Orders Management System**

Talabeat.com

A Web-based application and Mobile application for online selling products including a dashboard for admins to add, update, and/or delete products. It also has role-based management and permissions for admins, agents and customers.

This project was implemented using PHP (Symfony framework), MYSQL, and PhoneGap Framework for building cross-platform mobile application.

Project Url: <http://talabeat.com>

JAN 2015 - MAY 2015

● **Notifications Management System**

5damaty.com

A Web-based application and a mobile application (Android - IOS - Windows phone) for managing and push notifications for organizations like libraries, restaurants, etc..

This project was implemented using PHP (Symfony framework), MYSQL, and PhoneGap Framework for building cross-platform mobile application.

Project Url: <http://5damaty.com>

SEP 2014 - JAN 2015

● **E-Culture, E-Commerce Content Management System**

Damascus University

A Content management system for e-culture, folklore, and e-commerce including online e-payment.

Main Functionalities:

- CRUD functions on articles using dashboard;
- CRUD functions on products using dashboard;
- Online payment for selling products;
- Roles and permissions for editors, suppliers and admins;
- Reporting for selling information for admins of the portal.

This project was implemented as a full responsive and multi-language web application and an android application using pure PHP for back-end for web app, MYSQL for database management, HTML5, BOOTSTRAP, JQUERY, ajax and CSS3 for front-end for web app, and Native Android development using JAVA for mobile application.

SEP 2014 - JAN 2015

● **Infrastructure for security at Syrian Universities**

Damascus University

A Desktop application for transferring important files and documents between universities.

The application implements encryption techniques and libraries for ensure security and safety while transferring data. It implements asymmetric cipher, symmetric cipher, digital signature and certificate methods for encrypting data.

This application was implemented using C# - WPF.

JAN 2014 - SEP 2014

● **Syrian Exchange**

Android mobile application controlled by a web application as dashboard for showing Syrian exchange and prices of Syrian pound in other currencies.

This project was implemented using ASP.NET MVC for web application (Dashboard), MS SQL SERVER for database management, JAVA for native android application, ANDROID STUDIO as IDE and JSON for data-interchange.

Project Url: <https://play.google.com/store/apps/details?id=com.Syria.SyriaExTurkey>

SEP 2013 - JUN 2014

● **Automatic Archiving for Documents in the Faculty of Information Technology**

Damascus University

Learning Content Management System for automatic archiving for documents.

Main Functionalities:

- Provide a user's platform to add and edit educational content;
- Archive and manage students' projects and documentations;
- Manage ACM competition;

- Provide information about Damascus University and its departments.

This system has a MVC architecture, and used design patterns (Builder - Singleton) in Business logic layer.

This project was implemented as a web-based application using ASP.NET web forms, Entity framework, and Twitter Bootstrap for front-end.

SEP 2013 - JUN 2014

Objective-C Compiler

Damascus University

Software to parse and understand programs written in Objective-c programming language.

This Project was implemented using C++ and C# for interfaces.

JUN 2013

Smart Physics

Damascus University

A simple android game for teaching students the phenomenon of simple Pendulum, by simulating it with an android based application. This mobile application explains some physical and mechanical concepts such as Pendulum motion in two cases (simple and elastic) and shows the physical motion for them so students can observe it clearly and make some changes such as liberate Pendulum to have another type of physical motion called Vertical Throw.

This project was implemented using JAVA and eclipse IDE for android development.

MAY 2013

Student Management System

EDUMODERN

A Software for Managing Students Registration at edumodern company.

Main Functionalities:

- Register, Save, Update and delete student;
- Search for registered students;
- Report generating for student card, search results and monthly statistics.

This project was implemented as a desktop application using C# - WPF, SQL SERVER for database management and TELERIK for reporting.

JAN 2013

Scientific Calculations Project (Smoothed Particles Hydrodynamics)

Damascus University

The idea of the project is to create a simulation of the phenomenon of movement of multiple fluids with different qualities, and modeling this fluids as a set of smoothed particles which are affected by a range of forces applied by the effects of the external medium. After making a series of exact calculations for each granule according to a set of mathematical equations and physical relations.

This Project was implemented using C# - WPF and tecplot for visualization.

SKILLS

- Software Development
- Software System Analysis
- Software Architectural Design
- Web Development
- Mobile Application Development
- Desktop Application Development
- Android Development
- Agile & Waterfall Methodologies
- Database Design
- Microsoft SQL Server
- Testing
- Web Services
- MVC
- OOP
- Symfony Framework
- CodeIgniter
- Programming
- PHP
- ASP.NET MVC
- C#
- Java
- C++
- JavaScript
- jQuery
- Angular JS
- jQuery Mobile
- JSON
- HTML5
- CSS3
- NopCommerce
- PhoneGap

COURSES

- Computer Principles
- Programming (3)
- Algorithms & Data Structures (2)
- Digital Communications & Information Theory
- Programming Languages
- Computer Architecture (2)
- Database (2)
- Graphics
- Artificial intelligence principles
- Basics of Computer networks
- Operating Systems (2)
- Software Engineering (3)
- Intelligent Research Algorithms
- Compilers
- Parallel Programming
- Multimedia & Hypermedia Systems
- Marketing
- Information Systems Security
- Advanced Database
- Internet Applications
- Project Management
- Distributed Systems and Applications
- Information Retrieval Systems
- Information Engineering Systems

LANGUAGES

- English (Full professional proficiency)
- Arabic (Native or bilingual proficiency)
- Turkish (Professional working proficiency)