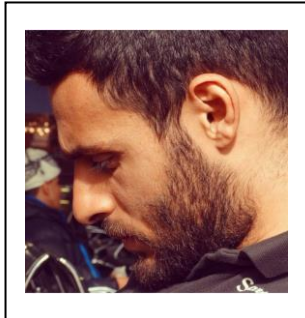


# CONSULTANT PROFILE



## Mohamad Mortada

### Profile

Moe is talented Computer Engineer graduated from University West in Sweden. He works as C# back-end software developer. He has developed his skills and achieved a high level where he can deliver well organized web-, mobile- and computer applications. He is both team worker, an independent programmer and a good system requirements analyzer and architect. Lately, he got involved in different project for different companies across the world because of his ambition and fast development of his experience to become one of the important programmers.

He is interested in different programming languages as Swift, Java, NodeJS and others, but C# is his favorite programming language.

He is always interested to teach himself the latest and newest programming methodologies and updates. Hence, he is reading his masters in Software Engineering program at Chalmers University and working fulltime.

### Roles

Software developer

*Junior*

### Domains

Programming

*Advanced*

## Experience

<b>April 2017</b>	<b>SKF</b>
<i>Role</i>	Integration responsible
Assignment Description	Project was made to a new customer in Thailand as the one made earlier in July 2016. Same approach but totally new requirements.
Environment/Methods/Tools	C#, ansible, VSTS, VS2017, git
<b>Mars 2017</b>	<b>SKF</b>
<i>Role</i>	C# Developer
Assignment Description	SKF enroll Mohamad in a new project called "Enlight Center". This project is also used to collect data from @Aptitude analyst in case to centralized into the Amazon Cloud. The entire system is going to be built on AWS microservices.
Environment/Methods/Tools	Visual Studio, AWS, Git, golang, microservices.
<b>July 2016</b>	<b>SKF</b>
<i>Role</i>	C# Developer
Assignment Description	SKF's customer in Abu Dhabi wants to collect data from SKF Aptitude analyst; for this purpose, Mohamad created a SKF Customized Interfacing WCF application to notify customer with latest alarms. Mohamad worked in a team from SKF Abu Dhabi and Ferrologic Sweden who take care of formation of results into maximo. He also traveled to Abu Dhabi to run the project and meet the customer in advance to verify and validate their requirements.
Environment/Methods/Tools	Visual Studio, Git, WCF, DDD, Fiddler.
<b>July 2016</b>	<b>Cybercom</b>
<i>Role</i>	Developer
Assignment Description	The idea with Stairs project is to practice IoT. Two nodes where created to read rfid tags and forward it to a Windows Service through LoRa to handle then it logic. Mohamad Created the Windows Service and handle its logic with the Arduino.
Environment/Methods/Tools	Visual Studio 2015, GIT, Windows Service, Arduino, C, LoRaWAN, M2MQTT, Aspx, asp.net web api.
<b>July 2016</b>	<b>DigitasLBI</b>
<i>Role</i>	C# Back End Developer
Assignment Description	Added some new features for Volvo trucks website ("http://newcolorizer.volvotrucks.com/") on main and administrator side.
Environment/Methods/Tools	Visual Studio 2015, GIT, JavaScript, aspx., Json
<b>June 2016</b>	<b>DigitasLBI</b>
<i>Role</i>	C# Back End Developer

Assignment Description	Digitaslbj wanted to integrate some additional features to Husqvarnas system. Requests between server and client side was handled by using ASP.NET WebAPI.
Environment/Methods/Tools	Visual Studio 2015, GIT, JavaScript, Fiddler, ASP.NET WebAPI.
<b>April 2016</b> <i>Role</i>	<b>Cybercom</b> Developer
Assignment Description	Runtime system was created to notify birds life state and represent it for Universeum's visitors and employees. Rfid tags were attached somehow to the birds, when a tag is scanned, entire informations that were required by the customer were represented in a web application user interface.
Environment/Methods/Tools	Linux, NodeJs, AngularJS, Git, Node Express, MySQL and Bower.
<b>Mars 2016</b> <i>Role</i>	<b>Cybercom</b> Project Leader & Developer for an Application has been made for Ericsson. This web application provides latest team state and information to the scrum master. Data were represented in graphs based on weekly log. After deep analyses on old version the team decided to build the back-end part with asp.net web API instead. Unit of work, repository pattern, Json Web Token, asp.net Identity, EF and code first all these patterns, libraries and methodologies are used to provide scalable, secure and well-designed application.
Assignment Description	
Environment/Methods/Tools	ASP.NET Web API, Visual Studio 2015, Git, DDD, Jira, ASP.Identity, Repository pattern, Unit of Work.
<b>January 2016</b> <i>Role</i>	<b>Swedac</b> Programmer
Assignment Description	Working in a tight Cybercom-team, adding new features and fixing older bugs to Swedacs native system Sitedoc.
Environment/Methods/Tools	C#/.NET, Visual Studio 2010/2015, VisualSVN
<b>December 2015 – Jan 2016</b> <i>Role</i>	<b>Psykologisk metod AB</b> Programmer
Assignment Description	Added responsiveness, new localization template and several other minor features.
<i>Environment/ Methods/ Tools</i>	PHP, Bootstrap, Javascript Git, Visual Studio Code
<b>June 2015</b> <i>Role</i>	<b>Service company</b> Programmer
Assignment Description	Develop a stamp system  The system register new customers and saves them into

mysql database, also, it allows the admin user to stamp a registered customer on each product purchase or service. This system is going to be connected with a mobile application that allows customers to see their stamps (in progress). The system was first developed in PHP, HTML and JavaScript, but now it is updated to .NET.

*Environment/ Methods/  
Tools*

C#/.NET, MVC, JavaScript, Bootstrap.  
Visual Studio, Git

**June 2015**

*Role*

*Assignment Description*

**Service company**

Programmer

The system allows the employee to register new customer, treatment and book new reservations into schedule. Also this system include administration view for owner to register new employee and administrate the system (Edit, Remove, Back up, Add). There is a possibility to integrate the system in the future to make it available for customers to book their own reservations.

*Environment/ Methods/  
Tools*

C#/.NET, MVC, JavaScript, Bootstrap.  
Visual Studio, Fullcalendar.io, Git.

## Spare time projects

*Assignment Description*

Investigating the safety of the TLS protocol in Appified World I proved my hypothesis that was: "the weakness of this protocol against MITMA (Man-In-The-Middle Attack) which sends users private information from mobile devices to servers". I got the highest grade on the project (5).

*Environment/ Methods*

Java, Android, TLS protocol.

*Assignment Description*

**Online learning system**

In this project, I was the team leader and we were asked to develop a system for students to help them keeping track of their latest registered courses, schedules and results. The system was built in integration technology, which was very exciting to use. System was created in PHP, JavaScript, Bootstrap and HTML.

*Assignment Description*

**C# booking system**

This system was made for a service company in Gothenburg. The customer was satisfied and asked for more new updates that are going to be installed in the new version that I'm working on right now. The old version was developed using the MVP pattern but currently MVC is used to develop the newer version just to adapt the system with iPad

*Environment/ Methods* C#, MVP Pattern

### *Assignment Description*

#### **MoAli Robot**

Robot made during Embedded System with C course. The robot has different functions: it could be controlled by an Android application, measure the distance between it and the nearest object and send result via serial communication to the mobile. The robot could also track a black line with no user control.

*Environment/ Methods* C, Sketch, Arduino Uno, Android, Java.

## Skills

### **Basic**

*Rule of thumb : < 1 year). Still requires mentorship/coaching.*

### **Experienced**

*Rule of thumb : < 3 year. Can work independently with normal assignments.*

### **Advanced**

*Rule of thumb : > 3 years. Can function as coach or mentor.*

### **Expert**

*Rule of thumb : > 5 years. Can function as tutor or instructor.*

<b>Program language</b>	<b>Level</b>	<b>Tools/ Environment</b>	<b>Level</b>
C	<i>Middle</i>	Visual Studio	<i>Advanced</i>
C#/.NET	<i>Advanced</i>	Matlab	<i>Basic</i>
PHP	<i>Middle</i>	Eclipse	<i>Advanced</i>
HTML5	<i>Advanced</i>	Xamarin	<i>Advanced</i>
Java	<i>Advanced</i>	Golang	<i>Middle</i>
JavaScript	<i>Advanced</i>	Aws	<i>Middle</i>
Scala	<i>Basic</i>	Azure	<i>middle</i>
<b>Communication</b>	<b>Level</b>	<b>Operating Systems</b>	
CCNA	<i>Basic</i>	Linux	<i>Advanced</i>
		Mac OS X	<i>Advanced</i>
		Windows	<i>Experienced</i>
<b>Methodologies</b>		<b>Hardware</b>	
Scrum	<i>Advanced</i>	Myavr	<i>Basic</i>
UML	<i>Advanced</i>	Arduino	<i>Basic</i>
<b>Admin Tools</b>			
MS Office	<i>Advanced</i>		

## Education

<b>Date</b>	<b>Degree</b>
2015	Bachelor Computer Engineering
<b>Date</b>	<b>Courses</b>
2014	C#/.NET
2005	Computer Science
2004	Math & Physiques with specialization in informatics
<b>Date</b>	<b>Certification</b>
2012	CCNA Exploration: Network Fundamentals
2016	Platina Certified from Formpipe
2016	Xamarin Certified from Tech Support AB

## Miscellaneous

<b>Language</b>	Swedish	Fluent
	English	Fluent
	Arabic	Native
	French	Basic
<b>Driving license</b>	B	