

# OSAMA AL BANNA

## SOFTWARE DEVELOPER

### PROFILE

Extremely motivated to constantly develop my skills and grow professionally. I am confident in my ability to come up with interesting ideas.

### EXPERIENCE

- **Most Of My Experience From Personal Projects**  
JUN 2012- PRESENT  
I have never worked at any company, because of my college, so i am self-employed

### CONTACT

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- ✉ OsamaAlBanna2027@gmail.com
- 📍 Kafr El-Sheikh,33647, Egypt

### EDUCATION

- **Formal: Al-Azhar University, BSE Degree**  
2014 - 2019  
Certificate in Civil Engineering
- **Informal: Online Training**  
JUN 2012- PRESENT
  - Most Of Courses From Pluralsight, WintellectNOW, Packt, Infiniteskills
  - I Have Been Completed more than 95 % Of Pluralsigh C# And .Net/Core Paths
  - Also finished many top rated udemy courses

### BIRTH 1996

### HOBBIES

Reading | S-Walking | Sci-Fi Movies Watching

### PERSONAL SKILLS & INFORMATIONS

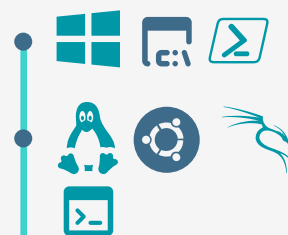
#### LANGUAGES

- Arabic  
Native
- English (US , UK)
  - Reading
  - Writing
  - Speaking
  - Listening
  - Technical

#### VCS



#### OS



#### IDEs

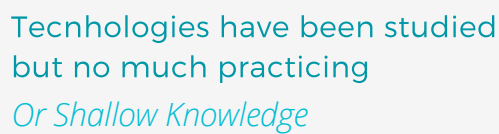


### LEARNING STYLE

+ 70% Visual Learner

Due to long time of learning from online Courses, and create projects under request i gone through many technologies, some still work with and some left it, some love it some hate it, and others strongly sticked with

- ## S-GUIDE



FH : First Half Of Year

SH : Second Half Of Year



**i** Please Notice: any exclamation mark leads to external link eg. github repo, to prove case



SKILL	START-END	LT RATING	TAGS
C	2014 SH - 2017 FH	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
C++	2012 SH - 2017 FH	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
C# .Net	2015 FH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
C# .Net Core	2017 SH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Asp.Net Core MVC	2018 FH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
Asp.Net Core Razor	2018 FH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Asp.Net Core Web API	2018 FH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
WPF .Net + Core	2018 FH - Present	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>





- General Software Design Patterns

*deep understanding of SOLID design principles and most modern patterns eg. Builder, Factories, Singleton, Adapter and many others*

- architecture patterns

- MWM : For Wpf and Xaml Based Apps Like Xamarin Forms
- MVC : For Asp.net Core and Angular
- REST : For Implementing Restful Web Api
- IoC : Inversion of control , with its implementation: DI
- Service locator : used in .net core and wpf specially with prism dynamic modules loading
- N-Tier : For any type of application : based on Layered pattern , Separation Of Concern
- Microsoft Clean Arch Specification / Implementation Of .Net Core
- ... and some others patterns

- API design Using :

- Method chaining pattern
- Generic features of programming languages for run time checking eg.(C# Roslyn )

- Design Paradigms

- Object Oriented Programming : For every day project
- Functional Programming : For API based projects or any ORM like project
  - used frequently with javascript / typescript
  - used with c# for some projects

- DataStructure

- Deep understanding of many modern data structures
  - also implementing many of them with C++ 98 / 11 & C99

- Algorithms

- Studied many algorithms and implementing some of them with many different languages
- Know how to calculate / check algorithm complexity level
- No Deep Diving Into algorithms analysis or even create complex algorithms

- Code

- Write well organized code respecting naming conventions and modern styles
- Write Modular and Extensible Architectural Code



Concurrent toolkits : Akka.net (wpf , console)

Reactive Programming : ReactiveUI (tested only with WPF)

MicroServices : with gRPC , RabbitMQ , [C# , Python, Java] No [GO Lang]



Unity 2d/3d , OpenGL(C++) , Qt(c++), Flask , Django, ExpressJs, Ruby/Rails

Wordpress ; left it due to its very poor design , using Spaghetti paradigm <sup>i</sup>



Adobe Photoshop , Illustrator , Autodesk Autocad, 3dMax ,Maxon Cinema4D and Matlap

## 0 ADDITIONAL MARKED DETAILS

- 1 Implementing Booth Restful API , GraphQL
- 2 I have been worked with many database system like
  - sqLite : for variant application types
  - litedb : as an embedded NoSql database for most lightweight wpf applications
  - Akavache : for High Performance caching
  - RethinkDB
  - Also work with MS Access DB and MS Sql Server [E & CE]
    - but with EF[net/core], so no deep digging in it's sql instructions
    - Just Using EF as ORM
- 3
  - After working with react for more than one year , i can say i don't like how react Eco-System work, i prefer angular implementation.
  - But Now I have Enrolled Course For Creating Advanced Social Network With Asp.net Core & react , So may react rating level and tags will changes with the next update of this resume
- 4
  - As any web developer i am working with Html & Css and Preprocessors like SCSS and with libraries like JQuery , d3.js and frameworks like bootstrap, but not a suitable person to build tools like this or design front end full responsive web page from ground without any framework(pure(html,css,js)) most of my work was done by using already configured frameworks eg, BS . and convert that into reusable components with things like angular, react , server side templates eg, (razor pages ) or even genral template engines eg, (Blade in laravel) or (Pug,ejs) its just a template with linear learning curve, so can learned very fast , this also for material design implementations , i prefere using google libraries to do that.



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Last Checking Date

Creativity is inventing, experimenting, growing, taking risks,  
breaking rules, making mistakes, and having fun

Mary Lou Cook