

# Malek

# Alajil

## Software Engineer



### PROFESSIONAL SUMMARY

As an experienced software engineer, I possess a strong understanding of software design, development, testing, and deployment. I am skilled in various programming languages, including C#, Java, Python, and C++, and have a proven track record of delivering high-quality software solutions on time and within budget. My expertise lies in full-stack development, and I am familiar with popular web development frameworks such as ASP.net, and have experience building RESTful APIs.

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🌐 Syrian

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### ADDITIONAL INFO

- Have a valid work residence for a period of 2 years.



### WORK EXPERIENCES

02/2022 – 3/2023

♥ Aleppo, Syria

#### Software Engineer at Ibda for Electronic and Digital Systems INC.

- Collaborated with team members to create applications system analysis based on client requirements.
- Performed application performance and function analysis, improving usability in line with client requirements.
- Work with Android TV boxes and modify their systems to accomplish requirements.
- Using AI techniques with android apps.

10/2020 – 3/2023

♥ Aleppo, Syria

#### Lecturer at Faculty of Informatics Engineering, University of Aleppo.

- Coordinated laboratory experiments for students to test in-class theories.
- Administered examinations, assessed results, and issued fair grades.
- Committed to creating a supportive and inclusive learning environment that encourages students to ask questions and think critically.



### EDUCATION

2017 – Present

♥ Aleppo, Syria

MSc. Artificial Intelligence : Faculty of informatics engineering, University of Aleppo.

2011 – 2017

♥ Aleppo, Syria

Bachelor of Informatics Engineering : Faculty of informatics engineering, University of Aleppo.

GPA: 81.11

2009 – 2011

♥ Aleppo, Syria

Technical Diploma in Computer Engineering (Software Engineering Department) : Technical Institute of Computer Engineering, University of Aleppo.

GPA: 88.72, The first student of the class honor.



### SOFT SKILLS

- Persuasion
- Adaptation
- Problem-Solving
- Continues Learning
- Software Documentaion
- Algorithm Implementaion



### PROGRAMMING SKILLS

- C#
- C++
- Java
- Kotlin
- Python
- SQL
- MATLAB
- ASP.net & .net core



### WORK SKILLS

Android	<div><div></div></div>	80%
Web Design	<div><div></div></div>	80%
MS Visual Studio	<div><div></div></div>	80%
MS SQL Server	<div><div></div></div>	70%
MS Office	<div><div></div></div>	80%



### LANGUAGES

ARABIC : native	<div><div></div></div>	95%
ENGLISH : B2	<div><div></div></div>	80%
GERMAN : A1	<div><div></div></div>	20%



## PROJECTS

2020 – Present

♥ MSc. Artificial Intelligence : Faculty of Informatics Engineering, University of Aleppo, Aleppo - Syria.

### Intelligent System to Recognize Spine Deformities Using 3D Models:

The master research utilizes the latest techniques of Artificial Intelligence, such as **Deep Learning**, to segment vertebrae bodies from surrounding tissues in CT scans. The aim is to build a 3D model of the spine and then recognize any spine deformities, if applicable..

2023

♥ Ibda for Electronic and Digital Systems, Aleppo - Syria.

### Queue System:

The Queuing System was built using **Asp.net MVC, HTML, CSS, JavaScript, jQuery, AJAX, and Android**. The system consists of an Administrator computer that serves as the server for the system, multiple computers or phones used by service employees as Counters, multiple LED displays, a touch screen for the ticket machine, and a monitor screen to display information.

2022

♥ Ibda for Electronic and Digital Systems, Aleppo - Syria.

- **Muhtam App:**

This **Android** app employs a **background service** to collect numbers entered by a user on a device that contains an **ESP 32** chip. This is achieved by sending an **HTTP request** and receiving a **JSON** response.

- **ANPR System:**

This desktop program is programmed in **C#** and uses a **Hikvision ANPR** (Automatic Number Plate Recognition) camera and Hikvision SDK to capture number plates of vehicles. The captured vehicle image and information is then stored in a database and displayed on the program's user interface (UI).

- **WhatsAd App:**

An **Android** App used to send thousands of marketing messages to contacts without being panned.

- **ChromaKey Camera App:**

This **Android** app utilizes **OpenCV** to remove a specified color from the video background. The modified video is then displayed above the camera canvas.

- **Teacher Assistant App:**

This **Android** app employs **OpenCV** to detect when a human hand presses a virtual button to navigate between slides..

2018

♥ Faculty of Informatics Engineering, University of Aleppo, Aleppo - Syria.

### Graduate Division Automation :

For this project, we utilized **C#** with **MS SQL Server** to develop a desktop program that assists the graduate division employee in their work. The program allows for the creation of digital copies of documents and generation of reports.

2017

♥ Graduate Project of Bachelor Degree: Faculty of Informatics Engineering, University of Aleppo, Aleppo - Syria.

### Studying Mobile Robot Kinematics and Correct Localization in Surrounding Environments:

This project involved the use of **Amigobot Robot** and **C++** programming language with a **Kalman filter** to estimate the accurate position of the robot based on values received from sonars and wheel encoders.

2016

♥ Fourth Year Project of Bachelor Degree: Faculty of Informatics Engineering, University of Aleppo, Aleppo - Syria.

### Virtual Faculty:

This web app was developed using **Asp.net, C#, HTML, CSS, and JavaScript**. It provides the ability to upload and download lectures and books, as well as site management by the administrator.

2011

♥ Graduate Project at Technical Institute of Computer Engineering, University of Aleppo, Aleppo - Syria.

### Virtual Judgment on the Internet:

This web-based app was built using **PHP native, HTML, CSS, and JavaScript**. Its purpose is to facilitate communication between clients and lawyers, keeping them updated about their cases and any decisions made by judges.