

# Mohammad Saeed Afshari *Embedded systems developer*

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📌 MsaeedAfshari ✖ MSaeedAfshari

## Work Experience

04/2024 – present  
Zanjan, Iran

### Mid-level Frontend Developer

*Lian*

Performing the development on frontend and backend of an online store.  
My responsibilities include:

- Changing the style of the elements in frontend
- Implementing the pages and services in nextjs from old vanilla js
- Debugging the functionality of the services and components

01/2024 – present

### Embedded Developer

*Clexi Tech Inc* 🔗

Performing firmware development on ESP32-S3 family processors in a FIDO2-based Secure SSD-drive project. My responsibilities include:

- Implementing the CTAP commands to get the info from secure key
- Implementing the functionality of hardware modules like drive's Keypad and LED display
- Implementing the OTA update via Bluetooth or Wi-Fi
- Implementing the Registration protocol

2023 – Present  
Zanjan, Iran

### Robotics' Teacher

*Dr.Hesabi Institute*

2023 – Present  
Zanjan, Iran

### Manager of Barpa event informatics department

*Scientific, skill-based and entertainment event of Barpa*

2022 – 2023  
Zanjan, Iran

### Member of Barpa event informatics department

*Scientific, skill-based and entertainment event of Barpa*

07/2021 – present  
Zanjan, Iran

### Embedded Developer

*Dr.Hesabi Institute*

- Collaboration in the development of 16 channel Data Logger with the ability to connect and display the data on a PC from a Serial Port
- Collaboration in the development of a touch panel control with the ability to control and stabilize the temperature in the environment and record data received from 4 sensors and record it on a memory card

## Education

09/2021 – 2025  
Zanjan, Iran

### B.Sc. Electrical Engineering

*Zanjan University*

## Skills

<b>Next-js</b>	● ● ● ● ●	<b>React</b>	● ● ● ● ●
<b>Javascript</b>	● ● ● ● ●	<b>CSS</b>	● ● ● ● ●
Typescript		Bootstrap	
		Tailwind	
<b>Linux</b>	● ● ● ● ●	<b>Git</b>	● ● ● ● ●
<b>C++(Programming language)</b>	● ● ● ● ●	<b>C(Programming language)</b>	● ● ● ● ●
<b>Arduino</b>	● ● ● ● ●	<b>Electronics</b>	● ● ● ● ●
<b>PCB Design(Altium)</b>	● ● ● ● ●	<b>IOT</b>	● ● ● ● ●
<b>Network+</b>	● ● ● ● ●	ESP32	
<b>SolidWorks Design</b>	● ● ● ● ●	ESP8266	
<b>Python</b>	● ● ● ● ●	<b>UML</b>	● ● ● ● ●
<b>Nodejs</b>	● ● ● ● ●	<b>Research</b>	● ● ● ● ●
		<b>ESP-IDF</b>	● ● ● ● ●
		<b>Teamwork</b>	● ● ● ● ●

## Projects

### Participant points management device

A device that reads people's IDs using an RFID card and records the desired score for them. All this data is then sent via WiFi to a local server, where the data is added to the database.

### Multi Functional Data Logger

A 16 channel Data Logger with the ability to connect and display the data on a PC from a Serial Port and Saving the Data on a SD card using ESP32

### Incubator's Control Panel

a touch panel control the ability to control and stabilize the temperature in the environment and record data received from 4 sensors and record it on a memory card using ESP32

### Barpa event's control panel

The Front-end part of a web page to manage the information of the participants of the Barpa event

### "All Under One Birqim" festival's survey Webpage

The Front-end part of a web page to survey the guests and participants of the "All Under One Birqim" festival.

### MQTT protocol sample project

### HTTP protocol sample project

### Socket server sample project

Communication between ESP-8266 and Android device using socket server

### Extract-hider

A python program that extract and hides some RAR files using an special password according to the System mac address

## Certificates

- Task-Oriented Course in Fundamentals of C++ Programming and Algorithmic Thinking [↗](#)
- Task-Oriented Course in Fundamentals of Python Programming and Algorithmic Thinking [↗](#)
- Project-Oriented Course in Front-end web Development [↗](#)

## Languages

- English

## Interests

- Electronics
- Books
- Internet Of Things
- Network
- Web Development