

Shadi Abu Salem

Full-Stack Hardware Engineer | IT Specialist

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Professional Summary

As I love electronics and software, I'm fully experienced person of these fields and some other related fields in IT and software development

Professional Experience

ELREHA, Aug 2024 to Jan 2026, Amman

Software Engineer

- Using C++ and Qt to create UI on Embedded Linux HMI with MODBUS communication channel.
- Using C# to create windows app to manage connected embedded devices.
- Help Test department by creating windows apps/Electronic devices in product preparation cycle.

MQ Planet, Jul 2022 to Jul 2024, Amman

C++ Developer

- Creating Plugins and Addons for MetaTrader5 Platform with C++ (FinTech Solutions).
- Creating a new trading platform using FIX API in C# environment.
- Creating Web user interfaces with PHP/Laravel to manage trading platform.

SASES Technologies, Mar 2017 to Dec 2022, Amman

Founder

- Manage my own business and dealing with customer directly.
- Creating custom electronic devices by creating a PCB for it and developing a custom firmware for many types of microcontrollers (PIC/AVR/STM8/STM32).
- Making many contracts with customers to keep their IT infrastructure clean and ready always.
- Creating and hosting some web finance platforms for some customers.
- Manage and administrate many Linux servers.
- Design and create many industrial projects with Siemens S7-1200 series and Mitsubishi FX2 and Delta DVP and also creating HMI for them

Ideal Chip Electronics, May 2011 to Feb 2017, Amman

Research and Development Engineer

- Design and create many embedded projects for gas stations and advertising.
- Design and create a web platform and design electronic devices to monitor huge colling store using CAN bus with 30+ nodes.
- Design and create many Queuing systems for many customers (Big ones; web based with server and smaller ones; single device).
- Design and create many Nurses calling systems and also upgrading existing ones with reverse engineering it.
- Design and create many Automation projects with PLC and HMI for Siemens-S7 and WinCC and create other HMI in VB6 too.

Professional Hands for Computer Systems, Nov 2006 to Sep 2009, Amman

Technician

- Install new computer network for many organizations.
- Providing technical support for customers by call or at location.

Education

B.Eng. of Computer Engineer, 2011

AlBalqa'a Applied University, Faculty of Engineering, Amman

Diploma of Computer Engineer, 2005

Al Quds College, Amman

Skills

Microsoft Office • Time Management • Team Lead • Team Work • TCP/UDP • PCB Design • USB • Electronic Maintenance • Software Development • Microcontrollers
Microprocessors • Windows • Linux • Git • SVN • Virtual Environment • Docker • Embedded Systems • C++ • C# • VB.NET • PHP • Reverse Engineering • Soldering • FPGA