



Saeed Eftekhar

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[Talents and work ethic assessment](#)

Senior Automation Systems and Sustainable Energy Engineer with hands-on skills

I have designed, executed, and maintained the automation systems for numerous large, well-known projects ranging from the first ice bank in Iran to one of the [biggest mechanical rooms in the Middle East \(Abooli Sina Hospital\)](#) over the past **eight** years, in hospitals, hotels, Steel mills, museums, and homes. I have developed, led, educated, motivated, and observed engineering and technician teams. I have achieved various objectives in projects with short timelines or low budgets. My strong presenting and technical negotiation abilities helped companies get projects and develop new strategies to boost earnings.

Date of birth: 08/08/1985

Gender: Male

Nationality: Iranian

WORK EXPERIENCE

Senior Automation Systems Engineer

09/01/2019 - Current

Dayere Tejarat Pars Company

Shiraz, Iran

- I have Designed, performed, and maintained Automation systems in hospitals, hotels, museums, and homes.
- I have developed and trained over nine new technicians and engineers.
- I have Led engineers and technician teams on various projects.
- I have developed new, economical, optimal Automation systems.

Building Automation Systems Engineer

02/01/2016 – 08/30/2019

Yasha Electric Company

Shiraz, Iran

- As a leader, I achieved the proudest accomplishment by designing, performing, and maintaining one of the [biggest hospital-related mechanical rooms in the Middle East \(Abooli Sina Hospital\)](#) as a leader.
- I designed and performed the very first Ice Bank control system in Iran.
- You can find my project pictures [here](#) and my working pictures [here](#).

EDUCATION AND TRAINING

Yazd University

09/23/2011 – 05/20/2014

Master of Science in Mechanical Engineering - Energy Conversion

Yazd, Iran | <https://www.yazd.ac.ir/en>

- [Invented a novel Solar Parabolic Collector](#)

2015 | Iran's registration number: 87073

Within my master's thesis, I created and registered a novel solar collector which is highly efficient and low-cost.

Shiraz University

09/23/2003 – 01/21/2011

Bachelor of Science in Mechanical Engineer - Heat and Fluid

Shiraz, Iran | <https://shirazu.ac.ir/en/home>

Technical and Vocational Training Organization (TVTO)

08/01/2017 – 11/01/2017

Siemens SIMATIC, SIMATIC Wincc, PCS7 and TIA Portal

Shiraz, Iran | <https://international.irantvto.ir/>

SAUTER Middle East

02/26/2017 – 03/02/2017

Building Management System with SAUTER productions

Sharjah, United Arab Emirates | <https://www.sauter-controls.com>

Yasha Electronic

03/10/2017 – 03/20/2017

Building Management System with KNX partner

Shiraz, Iran | <https://yashaco.ir>

LANGUAGE SKILLS

Mother tongue(s): Persian

Other language(s): English - Professional working proficiency – B2

Areas of Expertise, Experience, and Software

- Engineering/Technician Team Leader
- Supervision on contractor team
- Consultant for Automation systems
- P&ID Diagrams design
- Wiring Diagrams design
- Equipment List (LOM) (Instrument List)
- SCADA Commissioning
- BACnet (TCP/IP) (MSTP) (in DDC systems)
- Modbus RTU (in Power plant)
- DALI/LON (lighting systems)
- Training new employees
- Complex Problem Solving
- Team working (collaboration)
- I/O Table design
- Automation Topology design
- integrating Protocols
- KNX system (lighting/security/HVAC systems)
- Profinet / Ethernet (Industrial/infrastructure)
- DC Systems (Siemens PCS7)
- DDC engineering (Sauter Production)

- PLC Engineering (Siemens/Sauter production)
- Siemens TIA Portal
- Designing and performing Control boxes
- Microsoft Office (ICDL)
- Hardware designing and installation
- Installations Operation & Maintenance
- Excellent Technical Hands-on skills
- Project management
- Project Documentation (ECM)
- FAT and SAT
- HMI programming
- Power and mechanical system Maintenance Management
- VFD/VSD(variable frequency drive)/Soft Starter
- CAD with Catia V5
- SIMATIC Manager (Siemens)
- Wincc and Wincc flexible
- Supervision implementing construction installations (Piping/Wiring and mechanical installations)
- Implementation of control system: Absorption Chiller, Compressed Chiller, Steam boiler, Hot water boiler, Pump, Heat exchanger, RO, Deaerator, Generator, UPS, single-zone AHU, multi-zone AHU, Heat pump, VAV, Fan coil, Ducted fan coil, Split, Ducted split, Computer Room Air Handler (CRAH), Exhaust fan, Ice bank, Automatic door.
- CFD (Computational Fluid Dynamics)
- Ansys Fluent
- Solar Energy Engineering
- HTML/CSS/Flexbox/Sass/Java Script/JQuery (beginner)
- Django (beginner)
- HVAC-R Installation, control designing, and commissioning
- PLC & DDC Programming and debugging
- Designing and commissioning UI and monitoring systems
- ETS (KNX Programmer)
- Automation Systems Operation & Maintenance
- Troubleshooting and Calibration
- Supreme Creativity
- Presenting/negotiation/communication skills
- Energy Management designing
- Firefighting and Fire Alarm systems
- Designing Gross-Profit increasing plans
- Graphic designing software (Adobe Photoshop/Adobe Illustrator/Adobe Premiere)
- Communicating with various Energy meters
- AutoCAD: Intermediate
- Sauter Case Suit
- LAD/FBD Programming languages
- Sustainable energy Engineering
- Hypermesh
- WordPress
- Python (beginner)