

Resume

Personal Data

Date / place of birth 13, 09, 1983 in Tehran
nationality Iranian
marital status married, one child



CAREER OVERVIEW AND SKILLS

Result-Driven junior R&D team Supervisor with many years of experience designing, developing and testing embedded products from the conceptual stage to Product Development across a wide-range of industries according to customer's needs . Such as **Automotive, IOT, industrial control systems and medical** devices .

STRENGTH ABILITIES

Soft Skills	Problem shooting and solving / Research and move forward / Creativity / Patience / Result-Driving / Team-Player
Technical Skills	<ul style="list-style-type: none">- Design and development and research of Embedded systems (hardware and firmware) , Wired and wireless connections and busses (Serial Busses , Lan , Wlan, Bluetooth,...) , Analog and digital circuits with EMI-EMC considerations and qualifying and designing to meet cost targets .- design multi-layer circuit . making prototypes such as circuits and enclosures and 3d print parts .- embedded linux .
Programming languages	Python , C and C++ [bare metal and rtos]
Softwares	Altium Designer, Orcad , SolidWorks, Microsoft Office , Matlab , Labview

Work experience

In general, as a R&D Team Supervisor , I am responsible for the following tasks:

- Design of embedded microprocessor based electronic controls for Induction Sealing , industrial Printers and laser marker products including requirements, design, qualification, and life cycle support.
- Provide supervision of the embedded microprocessor based electronic controls team engineers such as research and development , documentation , verification activities reviews and ensure closure of action items before release of design documentation and work products.
- Work with contract manufacturers to prepare for product builds, including review of design documentation and testing requirements and overseeing technical aspects of qualification builds.
- Presenting technical information to management

In general, as a Senior Embedded Systems Designer and Developer, I was responsible for the following tasks:

- Responsible for research and development and documentation of:
Block diagrams, hardware and mechanical constructions (housing and subracks), BOM's, system test plans and assembly procedures, firmware, embedded Linux-bash scripts, prototypes, technical change notes, installation and product maintenance manuals.
- Working in the context of the supply chain and manufacturing to develop a clean design and hardware design for end customers.
- Working directly with ODM, OEM partners to design and test hardware solutions.
- Work with cross-functional team members to develop requirements and specifications.

From May, 2021

Taksun CO., LTD. Tehran, Iran (www.taksun.co)

Research and Development Supervisor

Research and Development and Design of embedded microprocessor based electronic controls for Induction Sealing , industrial Printers and laser marker products including requirements, design, qualification, and life cycle support.

from JUN, 2019

May,2021

Parto Dadeh CO., LTD. Tehran, Iran (<http://partodadeh.com/?lang=en>)

Senior Embedded Designer and Developer

Research, design and development of Aviation control systems.
Testing and documentation of the system according to the standards.

Jan, 2013 – Jun, 2019

Pouya Pajouhan Control CO., LTD. Tehran, Iran

Senior Embedded Designer and Developer

Mar, 2016 – Jun, 2019

Embedded (Hardware) Designer and Developer

Jan, 2013 – Mar, 2016

Research , Design and Development of Embedded Systems includes , Hardware , Firmware , Mechanics (Case and Enclosure) for :
3-Phase Power meters, Thermocouple Based Temperature measurement and Controllers for(Multi Thermocouple and PID Controller), RTD Based Temperature measurement and Controllers for(Multi Thermocouple and PID Controller),Industrial Phase controllers, industrial Load controllers , Wireless Water wells Status monitoring , Industrial custom designed PLCs and HMIs , variable speed compressors Control (Cooling System) .

Jan, 2012 – Nov, 2013

Iranian Embedded Systems CO., LTD. Tehran, Iran

Embedded (Hardware) Designer and Developer

Research , Design and Development of Embedded Systems includes , Hardware , Firmware , Mechanics (Case and Enclosure) for : Customised PLC system with Can and Rs485-modbus Network,Analog (0-5 and 4-20ma), Digital IO(Namur, Transistor, Relay), Can toUSB, 7" HMI for OIL and GAS Projects .

Education

- 2009 – 2012 **The University of Applied Science and Technology SAPCO, Tehran**
Bachelor : Engineering of Process Control (Electrical Branch)
Thesis: Design and manufacture of a robotic arm with 4 degrees of freedom with DC permanent magnet motors and PID control and inverse kinematic equations
- 2001 – 2004 **The University of IAU of Karaj, Karaj**
Associate degree : Electronics

★ Further skills and knowledge

- Languages **Persisch**, Native Language
Deutsch, B1 (ÖSD Certificate)
Englisch, fluent in spoken and written and listening
- Patents **Automobile Intelligence Clutch system** - IRBN(IRAN): 38502293 Issued 2006
Firefighting Vehicles Controller - IRBN(IRAN): 388060474 Issued 2009
- Hobbies **woodworking , Coding and Making, Book Lessen, Podcast lessen**