# Mehdi Farhadi

CEO at Pasmart

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## PROFILE

Seasoned, forward-looking Software Engineer with 9+ years background in creating and executing innovative software solutions to enhance business productivity. Highly experienced in all aspects of the Software development lifecycle and end-to-end project management, from concept through to development and delivery. Consistently recognized as a hands-on and competent leader, skilled at coordinating cross-functional teams

## SKILLS

**PROFESSIONAL SKILLS**

c \ c++
Qt
LVGL
Linux
Network Programming
Laravel
Medical Device

**PERSONAL CHARACTERISTICS**

Team Management
Team Working
Flexible
Up to Date
Effective

## EDUCATION

**BACHELORS IN COMPUTER SCIENCE** **2010 - 2015**

***Isfahan University of Technology (IUT)***

Bachelor of Science degree in Information Technology from Department of Electrical and Computer Engineering.

## WORK EXPERIENCE

**Software Engineer** **2021 - 2025**

*SAPA- noor nahad / Isfahan*

- Design and development aircraft MFD symbols such as testing in Attitude,HSD,HSI,Gauge with Qt/QML framework
- Design and develop an aircraft attitude multi-function display (MFD) using C++ and LVGL on an FPGA Zynq board.
- Designed and implemented a library to monitor, record, and replay all application events, including serial port communications and keyboard inputs.
- Customized and compiled a Linux build for the Toradex i.MX8 board, and modified the Weston/Wayland plugin to add screen capture functionality with network streaming capability.
- Designed and developed an aircraft multi-function display (MFD), including hardware interface communications and display management, with dynamically configurable page layouts and content loaded from configuration files.
- Integrated required modules and developed features in the open-source QGroundControl software for UAV and quadcopter management and control, running on the Android platform.

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**Professional Links**

Linkedin
GitHub
Personal Website (outdated)
Company Website

**CEO & CTO** **2019 - Present**

*Pasmart / Isfahan*

- Founder of the partake smart company.
- Head of Software engineer Department.
- Market review and introduction of new products of the company
- Designed and developed a wireless, modular smart greenhouse climate control system.
- Designed and developed a custom proxy server to enable direct communication between clients and their smart greenhouse system.
- Designed and developed an Android-based application for comprehensive management and monitoring of a smart greenhouse system.
- Designed and developed a home-use medical device for cardiac and vital signs monitoring, with analysis performed using a signal processing library.

**R&D Team** **2020-2021**

*Erfan Sanat / Isfahan*

- Led Effect Software Developer

**R&D Team** **2016-2020**

*Amvajnegar / Isfahan*

- Development of a customized Linux operating system tailored for specific hardware and application requirements.
- Designed and developed embedded software with a framebuffer-based architecture using the Qt framework for devices such as A110 and A210 ECG monitors, operating room vital signs monitors
- Developed software for the ESP32 chip to transmit cardiac signals over Wi-Fi for an exercise testing application.
- Designed and developed an exercise testing application using the Qt framework.

**R&D Team** **2015-2017**

*Dadeh gostar / Isfahan*

- Customized, extended, and optimized the open-source osTicket customer support platform to meet the operational requirements of provincial gas companies, including UI modifications, workflow automation, and integration with existing enterprise systems