

# Sina Mehdipoor Omrani

Software Developer • Computer Hobbyist




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A software developer with over ten years of experience in different fields, from designing and implementing control algorithms in robotics and ARM microprocessor programming to Full Stack web development. He also worked in IPM (Institute For Research In Fundamental Sciences) and IranDoc (Iranian Research Institute for Information Science and Technology).

## EDUCATION

<b>Islamic Azad University, South Tehran Branch</b> 	2019 – 2021
Bachelor in Computer Software Engineering	Tehran, Iran
<b>Shomal University</b> 	2009 – 2011
Associate in Computer Software Engineering	Amol, Iran

## PROFESSIONAL EXPERIENCE

<b>Sabalan Tajhiz</b>	May 2019 – Feb 2022
Embedded Software Engineer	Tehran, Iran
<ul style="list-style-type: none"><li>Designed and customized control panel systems for medical centrifuges</li></ul>	
<b>Bazaz Tejjart Pars</b> 	May 2018 – May 2019
Software Developer	Tehran, Iran
<ul style="list-style-type: none"><li>Reviewed current system for system improvements and developed automated test system for production line</li><li>Developed and maintained a control and monitoring system for the production line that decreased the production error by roughly 15%</li></ul>	
<b>CanSell</b> 	Oct 2016 – May 2018
Web Developer	Shiraz, Iran
<ul style="list-style-type: none"><li>Designed and implemented web interfaces</li><li>Conducted manual testing of web and mobile applications</li><li>Optimized the backend code which led to a 10% improvement in performance</li></ul>	
<b>Institute for Research in Fundamental Sciences</b> 	Aug 2015 – Oct 2016
Research Assistant	Tehran, Iran
<ul style="list-style-type: none"><li>Under Dr. Hossein Vahabie's supervision regarding two different projects:<ul style="list-style-type: none"><li>I - the role of Oxytocin in human observational learning and</li><li>II - the network differences between patients with ADHD and control subjects</li></ul></li></ul>	
<b>Freelance Web Developer</b>	Sep 2012 – Aug 2015
	Tehran, Iran

## SKILLS

### Programming languages

Rust, Python, JavaScript/TypeScript, PHP, Assembly(8051/AVR), C++(Arduino/ESP32)

### Web Development

HTML, CSS/SCSS, JavaScript/TypeScript

### Databases

MariaDB/MySQL, RxDB

### Tools

Git, Bash/Zsh/fish, Vim/VSCodium/Helix

## VOLUNTEER EXPERIENCE

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<b>Node.js</b> 	2016 – 2022
Website team member	Iran
<b>The society for defending of street and labor children</b> 	2009 – 2010
Educator	Tehran, Iran

## HONORS & AWARDS

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<b>2nd place, RoboCup IranOpen</b>	2009
IranOpen Committee	
<b>Runner up, Khwarizmi Youth Award (KYA)</b>	2008
Iranian Research Organization for Science and Technology (IROST)	

## LANGUAGES

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Persian | English

## COURSES

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<b>Full Stack open 2022</b> 	2022
University of Helsinki	
<b>JavaScript Algorithms and Data Structures</b> 	2022
freeCodeCamp	
<b>Responsive Web Design</b> 	2021
freeCodeCamp	