Sina Mehdipoor Omrani

Software Engineer • Computer Hobbyist

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A software engineer with over ten years of experience in various areas, ranging from microprocessor programming for embedded and IoT devices to full-stack web development.

EDUCATION

Islamic Azad University, South Tehran Branch ⧉
Bachelor in Computer Software Engineering
2019 – 2021 | Tehran, Iran

Shomal University ⧉
Associate in Computer Software Engineering
2009 – 2011 | Amol, Iran

SKILLS

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

Web Development
HTML, CSS/SCSS, JavaScript/TypeScript

Tools
Git, Zsh/fish, Vim/Helix

PROFESSIONAL EXPERIENCE

Sabalan Tajhiz   2021 – 2022 | Tehran, Iran
Embedded Software Engineer
> Designed and developed control panel software for a medical centrifuge, utilizing C programming language. Responsible for implementing functionalities such as parameter setting, performance monitoring, real-time data display, and user input handling. Ensured reliability, safety, and accuracy in controlling centrifuge operations. Conducted thorough testing, debugging, and integration with hardware components. Documented code, wrote technical specifications, and maintained version control.

CanSell ⧉   2016 – 2019 | Shiraz, Iran
Web Developer
> Designed and implemented user-friendly web interfaces for web and mobile applications. Utilized HTML, CSS, JavaScript, and other web development tools to create responsive and interactive interfaces. Conducted manual testing to ensure high-quality standards and promptly resolved defects. Optimized back-end code for enhanced performance, reduced load times, and scalability. Developed efficient and seamless PHP-based back-end code.

Institute for Research in Fundamental Sciences ⧉   2015 – 2016 | Tehran, Iran
Research Assistant
> Worked under the supervision of Dr. Hossein Vahabie on two research projects. The first project investigated the impact of oxytocin on human observational learning, while the second project examined the interplay between people with attention deficit disorder and unaffected individuals. Assisted in data collection, analysis, and interpretation. Maintained accurate records and documentation of experimental procedures and results.

Freelance Web Developer   2011 – 2015 | Tehran, Iran
> Developed and deployed custom websites for clients, utilizing emerging technologies, techniques, and web development tools. Created responsive and user-friendly interfaces that met client requirements. Redesigned existing websites to enhance functionality, usability, and visual appeal while optimizing them for search engines. Developed custom frameworks for efficient future project development. Utilized popular Content Management Systems (CMS) like WordPress, Drupal, or Ghost, customizing them to meet client needs. Collaborated closely with clients, providing regular updates and communication throughout the development process. Conducted thorough testing and debugging to ensure high-quality, reliable, and efficient websites. Managed website hosting and domain registration, ensuring security, speed, and accessibility for visitors.

HONORS & AWARDS

2nd place, RoboCup IranOpen
IranOpen Committee
2009

Runner up, Khwarizmi Youth Award (KYA)
Iranian Research Organization for Science and
Technology (IROST)
2008

LANGUAGES

Persian | English

VOLUNTEER EXPERIENCE

Node.js ⌝
Website team member
2016 – 2022 | Iran

**The society for defending of street and labor
children** ⌝
Educator
2009 – 2010 | Tehran, Iran

COURSES

Full Stack open 2022 ⌝
University of Helsinki
2022