Pooya **Alamirpour**

Full Stack Developer | Electrical Engineer | Robotics

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Well-qualified Full Stack Developer and Machine Learning Specialist familiar with a wide range of programming utilities and languages. Knowledgeable on both client-side and server-side software. Able to translate project requirements into a well designed efficient system architecture. Complex problem-solver with an analytical and driven mindset. Collaborative team player with excellent technical abilities offering ten years of related experience. Interested in designing optimized structures and processes to accomplish customer targets and promote company loyalty. Dedicated to achieving demanding development objectives according to tight schedules while producing impeccable code.

Skills

- ASP.MVC C#
- C++
- Python
- Deep Learning
- TensorFlow-PyTorch-Keras
- SQL
- HTML, JavaScript, CSS

Work History

May 2019 - Current

Full Stack Developer

Upworks

- Working as a freelancer in Upwork gives chance to implement amazing projects for lots of companies. One of the amazing projects was implementing a desktop application for making a connection between source and destination PC (Computer). The fantastic part of this project for me was using Electron Framework for implementing remote desktop application by using pure javascript. The app could be used for both WINDOWS, and Mac OS. Some of features I implemented for the projects were: Sharing screen, sharing mouse and keyboard, uploading files, chatting capability, etc. The project also has an admin panel where admin can; see the number of installs, manage software licenses, and software licenses and support tickets. Related skills for implementing this project: Javascript for

Desktop Application (Electron) - ASP, MVC C# for server-side - SQL Database for server-side

Sep 2017 - Sep 2019

Senior .NET Software Developer, Full-Stack

Opus Company

- Designing a robust platform name HealthNet which was supposed to be used by doctors for transferring patient documents. The product had to pass high-level security standards. To achieve the goal, I had to implement a new protocol using ebXML structure. The user could send and receive valuable data safely on a convenient structure. At the final phases, I collaborated with a big company named Opus , which is in charge for storing all related data for Norway citizens. This project has delivered in Norway's country, but because of having a flexible design; it could be used for other countries and companies as well. Skills which were used for implementing this project were: ASP,MVC C# -Javascript and jQuery - SQL Database - HTML, CSS.

Nov 2016 - Dec 2017

Senior .NET Software Developer, Full-Stack

Sarveen

- I have designed, and implemented a scalable web based smart application named SmartCattle which used various technologies for boosting the quality and quantity of production in dairy farms. The modular design allowed seamless upgrades as the farm requirements evolves. Smart Cattle records and analyses livestock activities and eating patterns for monitoring their health. All the features were presented in a friendly and easy to use frontend. The related skills for implementing this project: ASP,MVC C# - Javascript and jQuery - SQL Database - HTML - CSS.

Jan 2014 - Oct 2016

Electrical Engineer

Self-Employed

- The project involved 34 bus stations, and each station has three swing barrier gates. I have designed and implemented central electronic control and power unit systems of barrier gates, and I also implemented an application for monitoring and controlling all executed systems of bus lines of the city Mashhad. It needs to be mentioned that I also have executed several related projects based on the implementation on the barrier gate. You can take a look at some other projects (more than 15) I did during last five years at the following link:
- http://www.scd.ir/sysnews/cid/731

Dec 2008 - Feb 2015

Robotics Engineer

MRL

- One of amazing endeavours I had was working on Robotics Field. I had the chance to be part of a team who built smart and powerful robots which were supposed to help people. One of my great experiences was designing a robot to rescue people stocked in building wreckages after a disaster such as an earthquake. This fantastic robot could was awarded as first place in the international RoboCup competition in Mexico 2012. The robot also successfully passed tests in real situations such as the Iran earthquake, which happened in

2011 in city of Tabriz.

Education

Oct 2019 - May 2020 **C++ Nanodegree Program**
Udacity

Oct 2006 - Oct 2010 **Bachelor of Science: Electrical And Electronics Engineering**
Qazvin Azad University - Qazvin

Certifications

Jun 2012 1St Place in International RoboCup, Rescue Robot League, Mexico City, Mexico

Aug 2012 1St Place in 3th International Federation of Inventors, Iran, mashhad

Apr 2013 1St Place in International IranOpen, Rescue Robot League, Tehean City, Iran

Jun 2013 1St Place in International Amirkabir University RoboCup, Rescue Robot League, Tehean City, Iran

Publication

Control Humanoid Robot using Intelligent Optimization Algorithms Fusion with Fourier series
The 9th International Conference on Computational Intelligence and Communication Networks (IEEE 2017)

Partitioning Clustering by ABC and Tabu Search Algorithm Fusion
13th Iranian Conference on Fuzzy Systems (IFSC 2013)

A Heuristic Method for Humanoid Robot Falling Detection Using Gyro Sensors
Robocop IranOpen 2011 Symposium and 1st Iran's Joint Conference of Robotics& AI (2011)