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# Mohammad Javad Namazifar

## Objective

I'm interested in computer science, software engineering, artificial intelligence and robotics. With +9 year experience as .NET developer using C#, Experienced with relational database in Microsoft SQL Server database, design & T-SQL. debugging and problem-solving in order to provide proper solutions. I am very interested in sharing my expertise and motivation with your developing team. A few of my obvious features that can be useful in advancing your organizational goals are the spirit of teamwork and my problem solving ability. I am interested in working in an environment where my expectations are far more than my level of knowledge and skill, and this is a serious stimulus for my personal growth.

## Work Experience

### 1- BIG<sup>1</sup>, IT-Designer and developer [Aug 2020 - Present]

URL: <http://www.Polfilm.net/>

*POLFILM is the first and largest leading manufacturer of BOPP films in Iran. I am currently working as a senior software engineer in the IT department of Bayazian Industrial Group. During my stay in this company, I designed and implemented the following fields :*

- Sales and Marketing - *ASP.NET Core MVC and Database MSSQL Server*
- Production Planning Control (PPC) Plate, Polfilm, Petco and Atlasfilm company, *C# WinForms and Database MSSQL Server*
- Implemented Processes and Services provided by the IT department in the software platform (**ITIL**<sup>2</sup>) at Plate, Polfilm, Petco, Atlasfilm, Atlas Boobin and PayKaran company.
- Designed a Dbsyncer - Synchronize distributed databases to integrate data into a single database based on scheduler, *C# WCF and Database MSSQL Server*
- Implemented REST APIs with *ASP.NET Core MVC and Database MSSQL Server*, for the provide services to other enterprise applications, based JWT token based authentication
- Analyze and integrate multiple heterogeneous data sources across the company using *MS SQL Server, SSIS*

#### Achievement:

- Web development, ITIL, WCF, good knowledge of Integrate and Db syncing

#### Learning:

- REST APIs, SSIS

**Tech stack:** *WCF/MSSQL/ SSIS*

<sup>1</sup> Baiazian Industrial Group

<sup>2</sup> Information Technology Infrastructure Library

## 2- Arta Company, Senior Software Engineer [Jun 2019 - Sep 2020]

*TAMASHACHI website belongs to Arta company. The company informs users about the news and results of live sports such as football. I worked part-time in Arta company for more than a year, during my stay in this company, I designed and implemented the following fields:*

- Implemented REST APIs with *ASP.NET Core MVC and Database MSSQL Server*, Back-end Website Online results of football sports events, <https://tamashachi.com>
- API Football Analysis
- Designing a database for football data, teams, players, events and etc.
- Implementing a Back-end synchronize database with Football data server
- Serving in Persian and English language to the website and mobile App
- Implementing a dashboard to test the services provided, based on swagger

### Achievement:

- experience a real team work, Commitment to work and deadlines

### Learning:

- Walk through real development **ASP.Net Core**

**Tech stack:** *ASP.Net Core/ MSSQL/ JSON/*

## 3- SDC<sup>1</sup>, IT-Designer and developer [Jul 2013 - Aug 2020]

URL: <http://www.seven-diamonds.com>

*I worked for more than 7 years in the IT department of Seven Diamonds Industrial company which is in the field of steel industry, during this time, I worked on the following fields:*

- **Management Information System(MIS), C# and Database Programming**
- **Microsoft Dynamics AX ( ERP)**
  - Installing and configuring of the Dynamics AX 2012 R2/R3 ERP
  - Workflow configuration and setup
  - Users and Role management
  - Procurement and sourcing
  - Product and Procurement Catalog / Policy - Rules
  - Procedures and processes of Procurement, Quality Control, Warehouse
  - Product and Service information management
  - Procedures and Production Control Processes
- **Design and implementation of Processes and Services provided by the IT department in the software platform (ITIL)**
  - User Panel for End user to track and report problems
  - Incident Management
  - Service/Incident Catalog
  - Business Rules (organize all the incoming requests and perform actions such as delivering them to IT groups)
  - Automatic Request Distribution
  - Service Level Agreement (SLA)
  - Asset Management
  - User Survey
- **Content management system, SharePoint 2016**
- **Design and implementation of Stop monitoring software related production lines**
  - Lessening and receiving information about stop-of-production lines from control boards in the parallel port
  - Insert information about the stops and start-up of production lines in the database
  - Data mining and reporting on duration time stop the production lines
- **Implementation of software amortized costs of company units on production lines, to calculate the cost of goods**
  - Receive information on costs of production and non-production centers
  - The formation of a multiplex table, based on the financial and industrial accounting period

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<sup>1</sup> Seven Diamonds Company – Steel Alborz Company

- Calculated and amortized the costs to the manufacturing centers
- **Seven-Diamonds Company Website**
  - Design concepts and contents according to functional requirement company
  - Implement responsive multilingual WordPress website mock-up into fully functioning websites employing *HTML*, *CSS*, *JavaScript/jQuery* and *Bootstrap*
- **Quality defect detection Steel Products Seven Diamonds Industry using Machine Learning and Image Processing**
  - Collecting images of product quality defects
  - Classification of product's quality defects by *OpenCV* and machine learning algorithms

**Achievement:**

- Getting good knowledge of development in ERP

**Learning:**

- MS Dynamics AX 2012, ITIL, WordPress, Walk through real development in .Net and C#, Stored Procedures

**Tech stack:** *MS Dynamics AX / MSSQL / Deep Learning/*

## Research Experience

### 1- MRL<sup>1</sup>, MRL, @Home Robot Team [JUL 2012 – JAN 2014]

I was with MRL @home team at Azad University of Qazvin, Department of Electronics, Computer and Information Technology Engineering From 2012 to 2014 as a researcher with interests in

- **Human-Robot Interaction (HRI)**
- **Target Tracking**
- **Human-Following Mobile Robot**
- **Laser and Vision-based Tracking Multiple Moving Targets with a Mobile Robot**
- **Sensor and Classifier Fusion for Fast Human Detection**
- **Detection of Human Pairs of Legs using a 2D Laser Range Finder(LRF)**

### 2- AUT<sup>2</sup>, Algorithm and Computational Geometry Laboratory [DEC 2011 – FEB 2013]

I was with Algorithm and Computational Geometry Laboratory Amirkabir University, Tehran, Iran, Department of Computer From 2011 to 2013 as a researcher with interests in

- **Watchman Route Problem (WRP)**
- **Freeze Tag Problem (FTP)**
- **Swarm Robotic**
- **Heuristic and Meta-Heuristic Algorithm**

### 3- MRL<sup>3</sup>, Rescue Robot Team [DEC 2007 – JAN 2012]

I was a member of Rescue robot RoboCup team at Azad University of Qazvin, Department of Electronics, Computer and Information Technology Engineering From 2007 to 2012 during which I have experienced in these fields:

- **Customize kernel Linux OS for Embedded PC**
- **Developing an embedded Linux operating system for robots**
- **Autonomous robot exploration in unknown environments**
- **Victim Detection**
- **Merge 2d laser Map**
- **Sensors Robot Stabilizing with PID controller**

## Teaching Experience

Instructor at *Islamic Azad University Qazvin, Department of Computer & IT Engineering* [2012– 2014]

**Course :** *Operating System, Computer Workshop*

<sup>1</sup> Mechatronics Research Laboratory, Azad University of Qazvin, Iran

<sup>2</sup> Amirkabir University Tehran, Department of Computer and Information Technology Engineering

<sup>3</sup> Mechatronics Research Laboratory, Azad University of Qazvin, Iran

## Education

- **M.Sc.** in Computer Engineering (Software) *Electronics, Computer and IT Engineering Department*, Islamic Azad University, Qazvin Branch, Iran [Fall 2010 – 2013]
  - **Thesis:** Presenting Algorithms for Waking up a Swarm of Robots with Radial approach
  - **Supervisor:** *Dr.Aliреза Bagheri and Dr.Keivan Borna*
- **B.Sc.** in Computer Engineering (Software) *Electronics, Computer and IT Engineering Department*, Islamic Azad University, Qazvin Branch, Iran [Fall 2006 – 2009]
  - **Project:** Multiplayer game and chat in Mobile device based on the Bluetooth
  - **Supervisor:** *Dr.Behrouz Masoumi*

## Membership and Professional Experience

- Member of *Talent in Understanding Young Researchers and elite Club*, Islamic Azad University, Iran [2008 - Present]  
**Link:** [My page in BPJ](#)
- Member of Technical Committee (TC), *International Iran Open RoboCup Competition, Tehran, Iran* - @Home League [2013 – 2013]
- Member of Technical Committee (TC), *International Iran Open RoboCup Competition, Tehran, Iran* – Rescue Real League [2015 – 2015]

## Interests and activities

- **ERP, ITIL, Integrate multiple heterogeneous data sources , Web Developing**

## Patents and publications

- 1- F. Barazandeh, M. Norouzi, M. Yaghobi, M. Moshfeghi, **M.J.Namazifar**, M. Ghaffari Jadidi, A.Karambakhsh, A.H.Mashat, J.Chegini, J.Zolghadr, M.Rahmani, M.R.Siboni, M.Namazifar, M.Jadaliha, S.M. Mavaei, B. Asadi, M. Farahbakhsh “*RoboCupRescue 2008 - Robot League Team, RoboCup Team Description*”, 2008
- 2- A.M.Shahri, M.Norouzi, M.Yaghobi, S.M.Mavaei, **M.J.Namazifar**, A.Karambakhsh, A.H.Mashat, J.Chegini, M.Rahmani, M.Namazifar, B.Asadi “*RoboCupRescue 2009 - Robot League Team, RoboCup Team Description*”, 2009
- 3- A.M.Shahri, J.Chegini, **M.J.Namazifar**, H.montazerzohur, B.MehdiKhani, M.karimi, A.Karambakhsh, A.H.Mashat, V.Azizi “*RoboCupRescue 2010 - Robot League Team, RoboCup Team Description*”, 2010
- 4- A.M.Shahri, J.Chegini, **M.J.Namazifar**, B.MehdiKhani, E.Saeidi, M.Salehzadeh, A.R.HajMohammadhosseini, A.Karambakhsh, A.H.Mashat, M.Rahmani, M.E.Mashat, V.Azizi “*RoboCupRescue 2011 - Robot League Team, RoboCup Team Description*”, 2011
- 5- F.Mahmoudi, V.Mokhtari Hassanabad, F.Marookhani, **M.J.Namazifar**, AA.Pasdar, A.Hosseini, F.Abdollahi, F.Abazari, N.Nabavi, MR.Kakvand and A.Shabani Asl. “*RoboCup @Home 2012 - Robot League Team, RoboCup Team Description*”, 2012
- 6- F.Mahmoudi, R.Fathzadeh, A.Hosseini, **M.J.Namazifar**, N.Nabavi, F.Abdollahi, M.Iranikhah, S.Bayani, F.Abazari, R.shahabian and H.Bagher “*RoboCup @Home 2013 - Robot League Team, RoboCup Team Description*”, 2013
- 7- **M.J.Namazifar**, ar.Bagheri, k.Borna”An approximation algorithm for the awakening of robots in Euclidean space” *National Conference on Science, Engineering, New Ideas (8), Tonekabon, Branch future institutions of higher learning*. 2014 (in Persian)
- 8- **M.J.Namazifar**, A.Bagheri, K.Borna, “Linear time constant factor approximation algorithm for the Euclidean `Freeze-Tag` robot ”, *Advances in Computer Science : an International Journal*, 2015.

## Certificates & Awards received

- Presenting a plan entitled “*Create Intelligent Autonomy in Rescue Mobile Robot*”, **Fajr International Invention & Innovations Exhibition** (FINEX 2008), Tehran, Iran. [February 2008].
- Being exempted from master’s program entrance examination as an “*Exceptional Talented*” student in Qazvin Islamic Azad University, 2009.
- **Scholarship** of Azad University, Qazvin Branch [2006-2013].
- Certification training course “Principles of Supervision” Qazvin University Jihad, 2016.
- Certification training course “Process Management and Modeling Process with BPMN Focus”, 2017.
- **@Home Robot League:**
  - 1<sup>st</sup> Place in International IranOpen RoboCup @Home in Iran, 2012.

- 1<sup>st</sup> Place in International IranOpen RoboCup @Home in Iran, 2013.
- **Rescue Real Robot League:**
  - 2<sup>nd</sup> Place in RoboCup Rescue Robot League, **Turkey** 2011.
  - 2<sup>nd</sup> Place in RoboCup Rescue Robot **Best Autonomy** Challenge, **Turkey** 2011.
  - 2<sup>nd</sup> Place in RoboCup Rescue Robot **Manipulation** Challenge, **Turkey** 2011.
  - 3<sup>rd</sup> Place in RoboCup Rescue Robot League, **Austria** 2009.
  - **Best Autonomy Robot** in International **Thailand Rescue Robot** Competition, 2008.
  - 3<sup>rd</sup> Place in **Thailand** Rescue Robot Competition, 2008.
  - 1<sup>st</sup> Place in **Khwarizmi** Robotic competition, Iran 2008.
  - 2<sup>nd</sup> Place in RoboCup Rescue Robot League, **China** 2008.
  - 3<sup>rd</sup> Place in RoboCup Rescue Robot **League Locomotion Challenge** (*Best in Class Mobility*), **China** 2008.
  - Award of Technical Challenge in **Best Mapping Algorithm** at International IranOpen RoboCup Rescue Real, 2008.
  - 1<sup>st</sup> Place in International IranOpen RoboCup Rescue Real in Iran, 2008.
  - 1<sup>st</sup> Place in International IranOpen RoboCup Rescue Real in Iran, 2009.
  - 1<sup>st</sup> Place in International IranOpen RoboCup Rescue Real in Iran, 2010.
  - 1<sup>st</sup> Place in International IranOpen RoboCup Rescue Real in Iran, 2011.

## Projects

- **Qt Cross Compile for beagle Bone Black, Micro Alborz System Company [July 2015]**  
Setting up and configuration Qt and toolchain for cross-compiling
  - Cross-Compiling Qt for Beagle board - ARM based targets and board bring up using Angstrom/Debian Linux
  - Setting up remote Debugging embedded software based on Qtcreator
  - Setting up Linux Device Driver Serial RS232/486

## Skills

### Programming

- **C/C++, JAVA, Python** in Linux and Windows
- **C#, Pascal, Delphi**, Visual Basic, Borland C++, Visual C++, x86 Assembly, Prolog
- Shell Programming in Linux and Windows
- Web Programming ASP .NET Core MVC, HTML, JavaScript, Css, XML, JSON, Caml Technique
- SQL and NoSQL database
- WordPress, SharePoint, SharePoint Designer, InfoPath Designer
- Java Mobile Programming
- Low level Programming, Network Programming
  - Socket Programming TCP/UDP and RTSP / RTP
  - Implementing CRC
  - Implementing XML based communication protocol

### Packages/Libraries

- Qt Programming in Windows and Linux
- J2me Programming for Cell Phone
- Familiar with OpenGL programming
- Graphics Programming with OpenGL, GLScene
- Cross-Compiler Toolchain
- OpenCV / Deep Learning

### Data Bases

- MS SQL Server, MS Access, MySQL, SQLite, MongoDB

### Robotics Packages

- ROS (Robot Operating System)

### Hardware Integration/Programming

- Hokuyo Laser Range Finders (LRF), XSens MTi, Embedded Industrial IBM Compatible, Pan-tilt CMUcam, Beagle Bone Board (BBB), Dynamixel RX-64

### Operating Systems

- MS Dos, Windows (Most Versions), Linux (Fedora, OpenSUSE, Ubuntu, Tiny OS, SliTaz)
- Customize Kernel Linux, Embedded Linux Developing

### ERP

- **Microsoft Dynamics AX** 2009, 2012 R2, 2012 R3

### Project Management

- SVN, Git in Linux and Windows
- Agile/Scrum

## References

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Dr. Alireza M. Shahri: [shahri@iust.ac.ir](mailto:shahri@iust.ac.ir)

Dr. Mohammad Norouzi: [mh.norouzi@gmail.com](mailto:mh.norouzi@gmail.com)

## Hobbies

- Soccer, Music, Sudoku, Watching documentary

## Graduate Courses

I had some studies on graduate courses such as

- Advanced Operating System and Distributed Operating System
- Advanced Database and Distributed Database
- Parallel Processing Algorithms
- Advance Computer Graphics
- Computational Geometry
- Multi Agent Systems
- Data Compression

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