



# Mohammad R. Tayyebi

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Note: some of the organizations and media, also wrote 'Tayyebi' as 'Tayebi' / 'Mohammad' as 'Mohamad' / '..dReza' as '..d Reza' which is also accepted.

This document is updated on Jul 04 2021, please download newer version from <http://kouy.ir/cv>

## Professional Profile

An international competitor, national champion and undergraduate of computer engineering with professional experience in software development and team management. Seriously eager to learn, enjoy artistic problem solving and overcoming challenges with a view of achieving academic and scientific experience and certification. Fully energetic in working in teams and highly skilled in fundamental knowledge and skills of software engineering.

Being among 45 selected students out of 25339 and awarded in the most creditable scientific festival of Iran, known as Khwarizmi, even before attending university. Also taken part in the most popular skill-based competition of the world, WorldSkills, in 2017.

## Education

### **Bu-Ali Sina University Final Project:**

B. Sc. Computer Engineering Implementation of a Web and API framework. / <https://gordarg.github.io/SF/>  
March 2016 – July 2020

### **Madani High School Major:**

Diploma and College Mathematics and Physics  
September 2013 – August 2018 Note: This major is the main choice to carry on higher education in engineering

## Professional Experience

### **Back-end Developer** MrBilit Group

**(Remote)**

- MrBilit Charter Flights Service
- IranGard.com Product)

- Implementation of some programs which allowed service to stay sync and serve up-to-date data to hundred of thousands of human and bot users.

- Participation in code refactoring, API and database development, with multiple programming languages.

- Implementation of RESTful API to handle business logic.

(Jan 2021 to May 2021) /

<https://www.mrbilit.com>

### **Project Manager** AtiNet Sina Parsian

NDA (2019)

### **Senior Developer** Rayan Electronic Andish Hegmataneh

Implementation of GPS back-end, web and mobile front-end (2018 to 2019)



<b>Instructor</b>	Bu-Ali Sina University, Faculty of Engineering and Natural Resources (Tuyserkan)	- Fundamentals of Programmings, Student Scientific Society of Computer Engineering and Information Technology (2019)
	Bu-Ali Sina University, Faculty of Engineering (Hamedan)	- Full-Stack Programming, Summer School, Student Scientific Society of Computer Engineering (2019)
	KhajeNasir Institute; Iran Technical and Vocational Organization (Hamedan)	- RESTful Applications Development (2016 to 2018) - Python Programming (2016 to 2018) - C# Programming (2016 to 2018) - Android Developer Training (2016 to 2018)
<b>Freelance Developer</b>	Self-employed	- Web Design and Development (since 2012) - Mobile Applications Programming (since 2018)

## Volunteer Experience

<b>Founder, Director, and Editor in Cheif</b>	Sariab Bloggers	Sariab is a non-profit blogging campaign which is focused on empowering students, increase mental health level, and motivate them, through an integrated knowledge base made on distributed blogs and free content on internet social networks and website platform. / <a href="http://www.sariab.ir/">http://www.sariab.ir/</a>
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## Honors and Awards

<b>WorldSkills</b>	Ranked as 20 <sup>th</sup> (2017) Skill: IT – Software Solutions for Business
<b>IranSkills</b>	Ranked as 1 <sup>st</sup> and awarded as gold medal (2016) Skill: IT – Software Solutions for Business Ministry of Cooperatives, Labour, and Social Welfare
<b>Khwarizmi Youth Award</b>	Awarded as 3 <sup>rd</sup> in country (2015) Field: Computer Science and Engineering IRI Ministry of Science, Research and Technology; IRI Ministry of Education; Iranian Research Organization for Science and Technology
<b>Music Awards</b>	- 2 <sup>nd</sup> , Fajr Festival, with Ayeen Ensemble, Hamedan (2017) - 1 <sup>st</sup> , Niayesh Festival, with Ayeen Ensemble, Qazvin (2017)

## Skills

<b>Programming Languages</b>	C++, C#.NET, PHP, JavaScript, Python, GoLang (basic), Java, Dart (basic)
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**Web Technologies** ASP.NET Core, ASP.NET Web Forms

**Desktop Technologies** Qt, Windows Forms Applications, Windows Presentation Forms

**Mobile Technologies** Xamarin, React Native (basic), Java, Kotlin, Flutter (basic)

**Database Systems** SQL Server, MySQL

**NoSQL Database Systems** MongoDB (basic)

**Analyzing and Designing Software Solutions**

- Considering all possible options and deriving the best solution based on sound analytical judgment and the client's best interests
- Using system analysis and design methodologies (such as Unified Modelling Language (UML), software framework, and Design Patterns)
- Build data warehouse and required for business intelligence/ executive dashboard
- Proper interface and layering for mobile solution.
- Use Case modelling and analysis (such as Use Case Diagram, Use Case Description, Actor Description, Use Case Package)
- Structural modelling and analysis (such as Object, Class, Domain Class Diagram)
- Dynamic modelling and analysis (such as Sequence Diagram, Collaboration Diagram, State Diagram, Activity Diagram)
- Data modelling tools and techniques (such as Entity Relationship Diagram, Normalization, Data Dictionary)
- Object design and package
- Relational or object database design and data flow diagrams
- Human-computer interface design/user experience
- Security and controls design
- Multi-tier application design

**Enterprise Software Development**

- Accurate and Consistent Version Control (with tools such as Git)
- Using Microsoft TFS project management tool
- Using system development methodologies such as object-oriented design
- Considering normal and abnormal scenarios, and exception handling
- Following standards: Style Guide, Code Convention, Human Interface Design (UI), Managing Directories and Files
- Code Refactoring and Analysis
- Evaluate and integrate appropriate libraries and frameworks into a software solution

**Version Control** Git, Microsoft TFS, GitLab

**Server Administration** Linux, Windows Server

**Team Work** Trello, Process Maker

## Speech

**Kazan, Russia** IranSkills (WorldSkills Iran) representative expert (2018)



**Alborz, Iran** Province representative in first congress of national skills competitors with minister assistant (2016)

**Hamedan, Iran** Special speaker as top researcher in session with education system chairmen and teachers (2015)

## Conferences and Courses Participated

**Online Crash Course on Numerical Astrophysics** Ferdowsi University of Mashhad (This program is aimed to share a taste of numerical simulations with graduate students and postdocs in astronomy, and also advanced graduate students of physics.) / <https://www.na2020.onrender.com/>

**Python Programming for Neuroscience** / <https://www.neurosafari.com/>

## Languages

**Persian** Native proficiency

**English** Full professional proficiency

## Soft Skills

**Work Organization and Management**

- Principles of productive team work
- Design a proper flow of the system that is designed and provide proper notification when needed
- Applying company standards into system
- Planing each day's production schedule according to available time and take into account time limitations and deadlines
- Applying research techniques and skills to keep up-to-date with the latest industry guidelines
- Reviewing own performance against the expectations and needs of the client and organization
- Preparing a good system documentation on how to use, install and run the system

**Communication and Interpersonal Skills**

- Confirm that the created application meets the original specifications and obtain user sign-off for completed system
- Collaborate with others to develop the required outcomes
- Work well in group problem solving
- Prioritizing and scheduling tasks
- Allocate resources to tasks

**Problem solving, innovation, and creativity** **Knowing and understanding:**

- The common types of problem and requirements which may occur within software development
- Diagnostic approaches and suitable system or software to problem solving
- Trends and developments in the industry including new platforms, languages,



conventions, and technical skills

- The use of latest technology to be applied in software scenario which requires the ability to demonstrate and provide an over-arching business solution to a problem

- How to set-up, develop, and integrate into designed solution the latest technology and hardware that will drive a better business solution.

**Able to:**

- Research encountered problems independently

- Identify and resolve problems in a timely manner

- Gather and analyse information skilfully

- Develop alternatives using the latest technology to support better business solution.

## **Hobbies**

**Music** - Kanun soloist at “Ayeen Ensemble” (since 2017)

- Kanun soloist at “Alvand Orchestra” (2014 to 2015)

**Astronomy** - Certified Night Sky Observer, Ibn-Sala Astronomy Center (since 2019)

**Personal Branding and Digital Marketing** Video Editing, Pod-Cast Recording, Graphic Design, Logo Design, Animation, Info-graphics and Presentations, writing and content development. (since 2011)

Demo:

- Instagram (<https://www.instagram.com/tyyinet/>)

- YouTube (<https://www.youtube.com/c/MohammadRezaTayyebi>)

