

Alireza Fatehi, BSc,

Software Developer

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Research Interests

- Inclusive Technologies
- Digital Health
- Software engineering
- Software quality and testing
- Internet of Things (IoT)
- Blockchain

Education

- **2004-2008** B.Sc. in Computer Science at the University of Rafsanjan, Kerman, Iran

Work Experience

- 2022 - Current: Software Developer, Ludwig Boltzmann Institute for Digital Health and Prevention, Salzburg, Austria.
- 2019 - 2022: Software Developer Consultant, PersiaBME Company, Tehran, Iran.
- 2011 - 2019: Software Developer Consultant, Sina Bank, Tehran, Iran.
- 2009 - 2010: Software Developer Consultant, PersiaBME Company, Tehran, Iran.
- 2007 - 2009: Software Developer Consultant, RayanPardaz Kavosh Company, Tehran, Iran.

Software Skills

- **Programming Languages and Frameworks:**
C#.NET, .NET Core Framework, Flutter, Dart, Java Spring Boot, Xamarin, T-SQL, Time Series Database (TSDB), MVC and MVVM Architecture, Object Oriented Programming, LINQ, ORM-Entity Framework, ADO.NET, Socket Programming.
- **Tools and Technical Software:**
Git, TFS, SQL Server, Microsoft Azure DevOps, Continuous Integration(CI) and Continuous Delivery (CD), Docker and Docker Compose, Microsoft Visual Studio, Visual Studio Code, Create and Design Dynamic Reports by Crystal Report and Stimulsoft Report

Selected Projects

- **Aktivplan:**

The app is designed to support healthcare professionals and patients in planning activities. It can be used both as a web application as well as a mobile application on the cell phone. Aktivplan is used by health professionals together with their patients, allowing them to jointly setup, monitor, and regularly review a personalized heart-healthy physical activity plan.

<https://dhp.lbg.ac.at/app-development-aktivplan/>
- **MORE Platform:**

Modular Open Research Platform for Digital Health, An infrastructure to foster data-driven innovation.

The goal of this project is development of a digital infrastructure for sustainable health research with a focus on the creation and implementation of studies using digital technologies.

<https://dhp.lbg.ac.at/more/>
- **Active Audio Adventures:**

This project combines geolocation with concepts from augmented reality for audio-based experience and interaction with an application that leads participants through adventure trails which require physical activity to complete and are accompanied by motivating storylines that can be rooted in historical facts or imaginative and fun fiction.

<https://dhp.lbg.ac.at/digital-health-interventions/>
- **Guided Time Out:**

Implemented Responsive web project called Guided Timeout for Respect Phonenumber company located in London with combination of .NET technologies and JavaScript.

<https://respectphonenumber.org.uk/guided-timeout/>
- **How Are You Today (HAYT):**

A web and mobile application for checking health parameters like Blood Pressure, Blood Glucose and Migraine.
- **Atyeh Hospital Healthcare and Telemedicine:**

With the future-oriented comprehensive healthcare software of Atyeh, the treatment team is always readily available alongside you. You can benefit from online medical consultations and services, as well as easy and continuous communication with doctors, nurses, and the treatment team. You can have permanent access to your hospital visit and admission records at Atyeh Hospital and with online admission, inpatient, and outpatient services, continuous monitoring of your health indicators is feasible.
- **Web Medic Pro:**

This app is installed on the ambulance devices of some US states. The software records identification and general health data of the patient and a description of the case.

Professional Training

- Winter 2013 Single Page Application (SPA)
- Winter 2010 Advanced Web Application Development
- Winter 2010 T-SQL Programming
- Winter 2009 Developing Web Forms Applications Using Visual Studio .NET & ASP.NET
- Summer 2008 Developing Windows Forms Applications Using Visual Studio .NET and C#