

MOHAMMAD MAHDI NAZARI



SENIOR SOFTWARE ENGINEER



I'm a software engineer with **+5 years** of hands-on experience building reliable, high-performance systems across platforms.

My current focus is on **Software Architecture**, **.NET BackEnd**, Angular, and applying machine learning in real-world applications.

I care deeply about clean, maintainable code and take pride in designing systems that scale well and stay robust over time.

CONTACT INFO

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EDUCATION

- **Master's of Information Technology**
University of Tehran - IT - Artificial Intelligence
2022/09 - Present
Grade : 17.9
 - Implementing state of the art [GA](#), RL and [ID3](#) algorithms to solve various problems.
 - Implementing a [3D Soccer Simulation](#) using Deep-RL in a 2x2 Multi-agent system.
- **Bachelor's of Computer Engineering**
West Tehran Islamic Azad University - Software Engineering
2017/09 - 2021/05
Grade : 17.8
 - [EasyParvaz](#)
 - [MapMe](#)


 Location: Tehran, Iran


 Birth: 1999

SOFT SKILLS

- Team Work and Communication
- Self-Learning
- Problem Solving
- Time and Project management
- Leading small teams
- Educating team members

PRIMARY SKILLS

 C#


 .NET Core


Entity Framework

Dapper


Rest API

IIS

 NGINX

 Docker

CICD

 Git

Software Architectures

Micro Services


Design Patterns


CQRS


SOLID


DDD


TDD


 Airflow


 MSSQL Server


 SQLite


 Mongo DB


 PostgreSQL


 MySQL


 Elastic Search


 Redis


 RabbitMQ

 Angular

 HTML


 CSS


 JS


 TS


SECONDARY SKILLS


TFS

 Unity

 Python

 Go


 C++


 QT

WPF

MAUI

MVVM

 Java

 Android Studio

LANGUAGES

- Persian
Native proficiency
- English
Bilingual proficiency

WORK EXPERIENCE

Karsazan Faradadeh Iranian (CADA)

2023/06 - Present

- Senior Software Engineer:
 - Architecting and development of various .NET Backend solutions.
 - CADA Produce: Led design and development of state-of-the-art Supply Chain Management platform.
 - Led design and development of a robust Angular control library which improved development speed by 40%~60% and improved user experience through visual consistency.
 - CADA Directory: Led design and development of advanced Goods Search Engine.
 - Development of various ETL services, Implementing over 140 times faster ETL services.
 - Discover and Debugging major memory leaks in legacy solutions.
 - Refactoring and addressing structural flaws in legacy applications.
 - Gitlab Admin: Migrating SCM from TFS to Gitlab, Implementing Automatic Backup service. Performing code reviews, merging pull requests and deployments of various solutions.
 - Maintenance & Development of legacy solutions: CADA Standard, CADA Supply, CADA CID Admin, [National Goods Identification Platform \(Backend\)](#).

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2021/11 - 2023/01

- Software Engineer
 - AppStore Solution: Design and development of an android appstore solution including: Android client, Administrative dashboard(CMS) and WebAPI. Advanced Localization system integration.
 - Tractor and GIS Simulator: Design and development of a Tractor simulator and GIS location emulation for electrical equipment testing and showcasing. Accurate Physics simulations. Serial Communications.

PERSONAL PROJECTS

URL Shortener - [Project-Page](#)

2025/7 - 2025/7

- A Fast, Simple, and flexible URL Shortner.
- Made for Benchmarking purpose.
- Supports multiple databases and optional in-memory caching.

C#

Docker

RestApi

Entity Framework Core

.NET 9

SQLite

Postgresql

MongoDB

Redis

Caching

Vertical Slice Architecture

Load test

Scalar

Dokploy - [Project-Page](#) - [Github](#)

2025/5 - 2025/5

- Contribution To OpenSource Project.
- Added Git LFS support to Dokploy Docker image.

Git

LFS

Docker

TgBotPlay.WebAPI - [Project-Page](#) - [Github](#)

2025/4 - Present

- A NuGet package for bootstrapping Telegram bot on MVC WebAPI.

C#

.NET8

NuGet

RestApi

CICD

EShopMicroServices - [Project-Page](#) - [Github](#)

2024/12 - 2025/2

- A MicroService starter project.

C#

Docker

Micro Service

MSSQL

.NET8

SQLite

RabbitMQ

PostgreSQL

Redis

DDD

Clean Architecture

Vertical Slice Architecture

TuneRipperBot - [Project-Page](#)

2024/11 - 2025/4

- A Telegram bot for searching and downloading spotify music.

CICD

Docker

C#

.NET8

MSSQL Server

SQLite

Clean Architecture

CodeChef - [Project-Page](#) - [Github](#)

2024/10 - 2024/12

- A Developer Utility website.
- Code generators, Converters and MSSQL scaffolders.

CICD

Docker

Python

Angular

SSG

Portfolio - [Project-Page](#)

2024/9 - Present

- Personal Portfolio website with Completely Dynamic content, Localization, Blogging, Projects, Resume Generator and SEO.

CICD

Docker

Angular

SSR

ODINID - [Project-Page](#)

2024/5 - Present

- A Central Identity provider that supports multiple authentication protocols and standards.
- MFA, OTP, Mailing, SMS and TOTP support.

C#

Docker

MSSQL

.NET8

Blazor

Angular

NeoMatrix - [Project-Page](#) - [Github](#)

2024/3 - Present

- The Most Advanced Matrix wallpaper.
- A web based wallpaper that also runs on WallpaperEngine and Sucrose.

JS

DNTCaptcha.Core - [Project-Page](#) - [Github](#)

2024/3 - 2025/1

- Contribution To OpenSource Project.
- Implemented Route and controller customization.
- Implemented Ratelimiter error customization.

C#

.NET

OpenAPI

NuGet

FrostyBulkExporter - [Project-Page](#) - [Github](#)

2024/3 - 2024/5

- Contribution To OpenSource Project.
- Design and Implementation of a plugin for bulk exporting and ripping of EA game assets.
- Exporting Meshs, Skinned Meshes, Textures and Audio files.

C#

.NET Framework

WPF

ESPAsyncHTTPUpdateServer - [Project-Page](#) - [Github](#)

2024/2 - Present

- Maintaining open-source arduino library.
- A webpage and api for OTA Program/FileSystem updates on micro controllers.

C++

RestAPI

ESP

Arduino

PlatformIO

CICD

EZButton - [Project-Page](#) - [Github](#)

2023/7 - Present

- Maintaining OpenSource Arduino Library.
- Signal processing and event handling.
- Converts raw button/touch events to various simplified Events.

C++

Arduino

PlatformIO

CICD

3D Soccer Sim - [Project-Page](#)

2022/12 - 2023/4

- Designing a 3D Soccer simulator in a 2*2 multi-agent system.
- Training 2 Deep-Reinforcement agents for playing soccer.

C#

Unity

Machine Learning

Deep Learning

Reinforcement Learning

Project Enzyme - [Project-Page](#)

2022/7 - Present

- A multi-platform cloud based TODO list and project management application.

C#

.NET MAUI

.NET6

RestAPI

OpenAPI

MSSQL Server

Onion Architecture

GDSC Services - [Project-Page](#)

2022/3 - 2022/4

- A Modern Terminal Emulator made to assist you in using google drive and google sheets.

C#

WPF

.NET Framework

Google Drive API

Google Sheets API

2048 Game - [Project-Page](#)

2021/10 - 2021/10

- A Remake of 2048 game for desktop devices.

C++

QT

MapMe - [Project-Page](#)

2021/4 - 2021/5

- A native Android GIS software that lets you make a map using GPS locations and perform calculations on them.

Java

Android

Google Maps API

GPX Serialization

Refhold - [Project-Page](#)

2021/4 - Present

- A windows software designed to assist digital artists.

C#

.NET Framework

WPF

2020/8 - 2021/1

- Designing an Airline system to store and manage information of customers, flights, airplanes, and tickets.
- Ticket Reservation and printing.

C#

.NET Framework

MSSQL

Dapper

WinForm