# MOHAMMAD MAHDI NAZARI

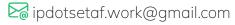
#### SENIOR SOFTWARE ENGINEER

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 Inteligence

2022/09 - Present

Grade: 17.9

- Implementing state of the art <u>GA</u>, RL and <u>ID3</u> algorithms to solve various problems.
- Implementing a <u>3D Soccer Simulation</u> 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

- <u>EasyParvaz</u>
- MapMe



### **SOFT SKILLS**

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

### PRIMARY SKILLS



• Persian

English

### **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 expreience 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 Debuging 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).

#### Dez Novin Sanaat

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 Commiunications.

# 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



## Portfolio - 🗗 Project-Page

Python

Angular

Docker

2024/9 - Present

CICD

 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 Idntity 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. RestAPI CICD **ESP** Arduino PlatformIO 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. Arduino C++ PlatformIO 3D Soccer Sim - 🗹 Project-Page 2022/12 - 2023/4 • Designing a 3D Soccer simulator in a 2\*2 multi-agent system. Training 2 Deep-Reinforcment agents for playing soccer. Unity Machine Learning Deep Learning C# Reinforcment Learning Project Enzyme - 🖸 Project-Page 2022/7 - Present • A multi-platform cloud based TODO list and project management application. .NET MAUI .NET6 RestAPI OpenAPI MSSQL Server C# 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. .NET Framework Google Drive API Google Sheets API 2048 Game - 🗹 Project-Page 2021/10 - 2021/10 A Remake of 2048 game for desktop devices. 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. Android Google Maps API **GPX** Serialization Java Refhold - Project-Page

2021/4 - Present

.NET Framework

C#

A windows software designed to assist digital artists.

WPF

# Easy Parvaz - 🖸 Project-Page

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