

Reza Heidari

Full Stack Web Developer

A Software Developer specializing in C# and .NET. With proficiency in JavaScript, TypeScript, databases, and cloud tech, I excel at creating well-structured, clean code. Passionate about building new things, I turn innovative ideas into functional, efficient solutions.

✉ reza@heidari.io

📍 Istanbul, Turkey

🌐 [linkedin.com/in/mohy](https://www.linkedin.com/in/mohy)

📖 stackoverflow.com/users/6691714/reza-heidari

📞 +90 (541) 838-2183

🌐 www.heidari.io

🐙 github.com/mheidari988



TECHNICAL SKILLS

Programming Languages

C#, JavaScript, TypeScript, Python

Web Frameworks

Asp.Net Core API, Asp.Net MVC, React, Next.js, Angular, HTML, CSS,

Windows Development

Windows Forms, WPF Applications, XAML, Telerik Controls

Database and Structures

MS SQL Server, PostgreSQL, MySQL, Redis, Elasticsearch

Cloud Technologies

Azure Functions, Azure App Service, Azure Identity, Azure Blobs, Azure Static Websites

Server and DevOps

Docker, Linux, IIS, Windows Server, VPS Administration

Architectural Patterns and Concepts

MVC, MVVM, Clean Architecture, CQRS, Microservices

Third Party Libraries

Refit, Serilog, MediatR, FluentValidation, xUnit, Shouldly, NSubstitute, AutoMapper, Asp.Net Zero, ABP Framework



WORK EXPERIENCE

Software Developer

Arneca Technologies

05/2022 - Present

Istanbul/Turkey

Arneca Technologies is a Turkey-based software firm founded in 2009. Specializing in custom-fit software solutions, offer end-to-end development.

Achievements/Tasks

- Develop and maintain high-quality, resilient production code across a diverse range of client projects, including but not limited to partnerships with Amplicade GmbH for the Cleverpace project in the insurance sector for EFM Versicherungsmakler, and a series of initiatives for Memorial Hospitals Group.
- Collaborate closely with creative directors to lead the research, development, and architectural design of technical solutions tailored to specific business objectives and needs.
- Engage in cross-functional partnerships with designers, project managers, and other engineers to convert innovative ideas into viable production solutions that align with client and stakeholder expectations.
- Cultivate a culture of excellence within the engineering team through the promotion of close collaboration, knowledge sharing, and mentorship, thereby enhancing overall team capabilities.
- Champion and manage company-wide accessibility initiatives, which include creating technical documentation of best practices and delivering training on screen reader technology, to ensure a user-friendly and inclusive experience.



WORK EXPERIENCE

Software Developer Mat BioMedical

02/2021 - 05/2022

Istanbul/Turkey

Mat BioMedical focused on manufacturing medical therapy, rehabilitation, active training and robotic gait systems.

Achievements/Tasks

- Developed and maintained web-based applications to manage water therapy devices, enhancing the rehabilitation and performance of patients.
- Engineered and deployed custom servers for end-effector systems that facilitate active training and encourage patient self-activity.
- Designed and implemented management software for robotic gait systems, aiding therapists in the rehabilitation of patients with irregular walking patterns.
- Created and launched a custom library for Price Action/Signal Detection, capable of synchronously connecting to and managing market orders across multiple trading platforms and stock markets.
- Architected and implemented a user interface for back-testing and forward-testing custom algorithmic trading strategies, utilizing broker APIs and subscription network channels.
- Developed and launched an interactive website for product representation, ordering, and customer service management.

Software Developer Negin Nassaj Asia

04/2015 - 08/2020

Tehran/Iran

Negin Nassaj Asia was a leading spare part provider in Iran's textile industry, importing machinery from Asia and Europe

Achievements/Tasks

- Developed, maintained, and deployed production code for client websites using key technologies such as ASP.NET, HTML, CSS, and JavaScript.
- Contributed to the development, debugging, and quality assurance of legacy Windows Applications and WPF applications with extensive codebases, ensuring cross-system compatibility. Clients included major companies in the Iranian textile industry.
- Regularly presented technical information to stakeholders in an understandable format during meetings, while also mentoring team members and identifying opportunities to boost productivity and team morale.
- Placed a strong emphasis on software quality throughout the development lifecycle by employing rigorous testing protocols and following industry best practices, resulting in reliable and maintainable code.
- Provided after-hours support for applications within my area of responsibility, thereby contributing to the overall stability and reliability of both live and offline products in the software ecosystem.

Software Developer Atra Dade Pardaz

07/2013 - 04/2015

Tabriz/Iran

Atra Dade Pardaz specialized in developing Windows and web applications tailored to customer needs. The company offered a range of software services.

Achievements/Tasks

- Played a pivotal role in the development of a robust application built on the .NET Framework, designed to efficiently update diverse client websites in sectors like advertising agencies, newspapers, and journals.
- Engineered a solution that seamlessly integrated with server-side MySQL and SQL Server databases, utilizing SOAP and XML Web Services to facilitate comprehensive CRUD operations across multiple tables.
- Developed a server-side application using Windows Forms responsible for hourly updates to client-side Access Databases, ensuring timely and accurate content synchronization.
- Regularly created and presented status reports to keep the team and stakeholders updated on project progress.
- Actively participated in status meetings to align the team's goals and strategies.
- Provided ongoing support for existing systems while also leading the design of new systems tailored to meet client requirements.



SOFT SKILLS

Problem-solving

Time Management

Attention to Detail

Leadership

Teamwork

Project Management



CERTIFICATES

RU102N: Redis for .NET Developers (06/2023 - Present)

The RU102N is for .NET developers to integrate Redis into their projects. It covers StackExchange.Redis, Redis data structures

ACCP: APTECH Computer Education (08/2008)

The ACCP certificate is a professional credential aimed at individuals who want to demonstrate proficiency in key areas of computer science and IT.



PERSONAL PROJECTS

Calcutext (01/2023)

- Calcutext is a powerful calculator that goes beyond simple arithmetic calculations to generate straightforward mathematical formulas and natural language descriptions. Take the Summation operation as a case in point. [GitHub Repository](#)

Price Action Strategy Builder (08/2021 - 04/2022)

- Strategy Builder is a comprehensive C# library that utilizes well-designed patterns to analyze financial market price movements. It transforms market noise into meaningful object-oriented categories and offers the capability to apply a broad array of patterns. [GitHub Repository](#)

Fun Translate (04/2022 - 05/2022)

- Fun Translate offers a streamlined approach to integrating and using external APIs in an ASP.Net Core API, without the need for third-party libraries. It employs a clean architectural design. [GitHub Repository](#)

RedisAllCode (05/2023)

- RedisAllCode is a code repository featuring a wide array of practical examples for utilizing Redis as an in-memory database and caching mechanism. [GitHub Repository](#)

Heidari Portfolio (04/2023 - Present)

- It was built with React (Vite), styled with CSS, managed by .NET Core MinimalAPI Clean Architecture backend, used PostgreSQL as persistence, Containerized by Docker, and published on my Linux server. [GitHub Repository](#)



LANGUAGES

English

Full Professional Proficiency

Turkish

Full Professional Proficiency

Persian

Native or Bilingual Proficiency



EDUCATION

Vocational education

Darolfonon

2008

Bronze Award

ACM Development

2009



PROJECTS AND CONTRIBUTIONS

Memorial Projects (02/2023 - Present)

As the senior software engineer and team leader at Romania's Memorial Health Group, I was instrumental in architecting and implementing backend services using ASP.NET RESTful APIs. I modernized older applications by migrating them from .Net Core 2.2 to 7.0 STS, adopting Clean Architecture and Mediator design patterns in the process. I deployed Hangfire for background jobs, optimizing Elasticsearch indexing on our in-house Linux servers and creating Elasticsearch-powered endpoints for more effective search capabilities. For caching, I integrated Redis and also connected RabbitMQ with our CRM system. I applied the CQRS pattern to enhance the separation of concerns within the application. I spearheaded our transition from Razor pages to a React + Next.js frontend, refactored React JS-based projects in the CMS, and enhanced UX using vanilla CSS and flexbox layouts—eliminating the need for Bootstrap. Besides code development, I also took on server administration and mentored junior colleagues. I excelled in database design, crafting more than 120 SQL tables using Entity Framework Core's Database First methodology. My contributions also extended to thorough documentation, comprehensive end-to-end testing, and proficient debugging of .Net Framework projects.

Amplicode Projects (05/2022 - 01/2023)

As a senior software engineer, I was pivotal in the development of a SaaS startup project for EFM Versicherungsmakler, an insurance company. Specializing in backend development with C# and DotNet, my scope of work encompassed creating ASP.NET-based RESTful APIs, interacting with external APIs for data processing, and architecting the database using PostgreSQL as the primary data store. Additionally, I dipped into frontend development, contributing code written in Angular. My role also included integrating AWS S3 for file storage and utilizing frameworks like AspBoilerplate and AspNetZero. I was actively involved in implementing a microservices architecture, leveraging Docker and Kubernetes for containerization and orchestration. I collaborated in maintaining CI/CD pipelines, conducting code reviews, and performing unit tests with tools like xUnit, FluentValidation, and Shouldly. Finally, I contributed to end-to-end testing and project documentation through Confluence.

Water Therapy PLC Management Project (02/2021 - 05/2022)

As a senior developer, I collaborated with a multidisciplinary team of electronic and mechanical engineers to develop an application for controlling water therapy devices. The application—dubbed Aquamill—offered a wide range of functionalities including control of AirJets, Drain Jacks, Acceleration Inverters, and both warm-up and cool-down phases. It also featured a step counter, customizable pause durations, pump filtration systems, and the operation of cold and hot water jets. We utilized a diverse tech stack for this project, including C#, JavaScript, and Python. For PLC management, we implemented EasyModBus, and we created a Single Page Application (SPA) for the user interface. The SPA was developed using JavaScript, Ajax, CSS, and HTML and was hosted on a web server, providing users with an accessible and intuitive control interface.