

Hossein Esmati

Full-stack developer

Results-driven Full-stack developer with 10+ years of experience. Proven track record of success in various roles, specializing in backend and frontend development, databases, data integration, and staying up to date with the latest technologies. Bachelor's degree in computer science with strong development skills.

Roles

- Full-stack developer

Methods and processes

- Scrum
- Agile methodology

Technicians/Tools

- **Languages & Frameworks:** .NET Core, TypeScript, JavaScript, Node.js, Angular, React, NextJS, ASP.NET, MVC, Web API, Entity Framework, C#, Blazor, Python, Razor, HTML, CSS, SCSS, LESS, Bootstrap, Ionic, PWA, PhoneGap, Cordova
- **Databases:** MSSQL, MySQL, PostgreSQL, RavenDB, MongoDB, NoSQL, T-SQL, Redis, Elasticsearch, Firebase
- **API and Data Integration:** WCF, RESTful APIs, WebSockets, SignalR, OTA standards, IATA NDC standards, Data Aggregation, Data Integration
- **DevOps & Deployment:** Git, Azure DevOps, Scrum, Docker, CentOS, Hybrid Deployment (Azure and on-premises), Azure VMs, Azure Storage Services
- **Other Skills & Concepts:** Leadership & Collaboration, Microservices Architecture, SOA, CQRS, DDD, Design Patterns, SOLID Principles, CI/CD (Continuous Integration & Deployment), Frontend Development and UI/UX Design, Figma, Agile Methodology

Previous projects and assignments

Nov 2023 - Now **Sigma Technology Digital Solutions**

Fullstack Frontend Lead

Västra Götalandsregionen - Barnensbibliotek

Joined the team midway through the project and implemented significant improvements to code quality and project structure. Conducted thorough refactoring efforts to align the codebase with customer requirements and their Figma designs. Successfully optimized project clarity and maintainability. Implemented industry best practices to enhance overall code quality and streamline development processes.

Methods and Tools used: Next.js, Umbraco, .NET Core 8, SQL Server, Jira, Azure DevOps, GitHub.

Nov 2022 - Aug 2023 **The Mastermind Group**
Freelance .NET / Full Stack Developer

Lightsapp

As a contributor at The Mastermind Group (TMG), I played a role in advancing the organization's technological landscape. Led the migration of core platforms from .NET Framework to dotnet core 7, with a focus on Domain-Driven Design approach.

Effectively addressed critical platform issues and introduced innovative solutions to optimize performance. Contributed significantly to the improvement of functionality, accessibility, and user experience across various TMG projects, leveraging the latest insights gained from my studies at Hyper Island.

Methods and Tools used: .Net Core 7, Angular 16, Blazor, Bootstrap, MSSQL, Entity Framework, IdentityServer, OpenIdDict, GIT, Azure DevOps, Docker, Microservices, CQRS, Mediatr, NServiceBus, Azure Storage Services, Azure VMs, On-premises deployment.

Mar 2021 - Aug 2022 **Avabamid (CQ Flooring)**
Team Lead / Senior Full Stack Engineer

Bitrix CRM

Focused on enhancing one of Avabamid's startups' CRM system based on Bitrix and introducing a Progressive Web App (PWA) using Ionic for mobile accessibility. Overcame performance challenges by deploying the app on Azure VMs (CentOS), optimizing with Redis caching, and resolving bottlenecks from a previously unstructured team.

Moved the database to Azure MySQL, defined backup strategies, and segregated static content using Google Storage Services. Centralized all company code repositories on Azure DevOps, employing GIT and applying Scrum and Agile methodologies to enhance team efficiency.

Methods and Tools used: MySQL, GIT, Azure DevOps, Redis, CentOS7, Docker, Scrum, Azure Virtual Machines, Deployment Pipelines, PWA (Ionic)

Jan 2015 - Aug 2022 **Internasjonal Tours AS**
Freelance Senior API Integrator

itours.no

Successfully integrated enterprise APIs and global distribution systems (GDS) like Amadeus and Sabre into the company's system, enabling seamless access to travel inventory. Expanded offerings, increased revenue, and maintained a competitive edge in the travel industry.

Methods and Tools used: WCF, WebAPI, API Integration, Data Integration, .NET Core, .NET Framework, Fiddler, Microservices, IATA NDC, OTA Standards, React-Redux, MSTest

Jan 2020 - Feb 2021 **Avabarid**
Full Stack Lead Developer

Stock Market Signal Processing

Transitioned into a team lead role and contributed to team recruitment, started the development of an automated platform leveraging microservices for real-time stock market data processing. Empowered clients with personalized notifications through an Angular-based interactive dashboard. Engaged in UI/UX enhancement. Identified and addressed technology gaps, conducted testing, and ensured system alignment with requirements. Provided expertise in financial assessments for deployment cost management, implementing automated deployment pipelines.

Methods and Tools used: .NET Core 3.1, MSSQL Server, EF Core, Angular 13, and TypeScript, Docker, NServiceBus, ServicePulse, ServiceInsight, CQRS, Mediatr, ASP.NET MVC, ASP.NET WebAPI, SignalR, (Python, Node.js, Orchard Core for some microservices), Angular Unit Testing (Jasmine/Karma)

Oct 2018 - Dec 2019 **Avabarid**
.NET / Full Stack Developer

Workspace Sharing Platform

Joined Avabarid as a Full-Stack Developer, where I participated in the implementation of a workspace sharing platform. Successfully developed and deployed a platform that laid the foundation for subsequent projects.

Methods and Tools used: .NET Core, Angular 7+, MSSQL, MVC, ASP.NET WebAPI, Entity Framework, JavaScript, jQuery, GIT, TypeScript, Azure DevOps, MSTest

Aug 2017 - Jul 2018 **Moshk**
Full Stack Lead Developer

Offboarding and transition

Having played a pivotal role in enhancing Moshk's technical strategies, software life cycles, and elevating user experience, throughout my 11-month offboarding, I

facilitated a smooth transition by imparting my extensive experience and knowledge to the incoming team.

Jan 2014 - Oct 2017 **Moshk** (Smart Data Monitoring Strategies Co)

Full Stack Lead Developer

Digital Marketplace

I led a startup project from its planning stages to completion, creating a digital marketplace for retailers to effortlessly open and manage online stores. The platform streamlined tasks for shop owners, covering everything from photo-shooting to SEO-driven content creation, advertising, sales, and delivery. I played various roles, initially as a software architect/developer developing a scalable platform based on the Moshk framework.

I communicated with customers, analyzed requirements, and designed and architected, developed, and maintained software and database for backend, web frontend and mobile app. I also took care of deployment and server configuration too.

I integrated web services, collaborated with external software and service providers, and provided consultation to company managers.

I worked closely with the marketing team, UI/UX designers, and developers to improve user experience, establish SEO standards, and lead extensive enhancements to optimize and refine the platform.

My responsibilities included , recruiting team members, and serving as a product manager and product owner for a while until a replacement was found. My roles involved quality assurance, troubleshooting, and maintaining the platform, ensuring integrity and compliance with requirements. Eventually, I joined the board.

Methods and Tools used:

- .NET Framework, .NET Core, ASP.NET, MVC, Entity Framework, C#, Razor
- MSSQL, RavenDB, NoSQL, T-SQL
- Web API, WCF, RESTful APIs, WebSockets, SignalR
- Git, Azure DevOps, Scrum, Agile, Leadership & Collaboration
- Docker, On-premises deployment, IIS on windows server, Mail server configuration using MailEnable, FTP Server configuration on windows server
- Microservices, SOA, DDD, Design Patterns, SOLID Principles, CI/CD
- Frontend Development and UI/UX Design, Photoshop, TypeScript, JavaScript, Node.js, HTML, CSS, SCSS, LESS, SCSS, Angular, AngularJS
- Bundling, Gulp, Webpack
- SEO, Google Analytics
- Onsen UI(PWA), PhoneGap, Cordova
- Microsoft Project, Slack

Jul 2012 - Dec 2013 **Moshk**

Full Stack Lead Developer

Software Production Platform

I advanced to lead a 5-member team tasked with creating a platform and boilerplate for future Moshk projects. The goal was to architect an easily deployable boilerplate

following best standards and practices, incorporating clean code, SOA and an n-layer architecture with reusable components. Our successful implementation used across Moshk's web-based projects, and we continued to enhance its features and functionality.

Methods and Tools used: T4 Templates, ASP.NET MVC, Razor, ASP.NET Web API, AngularJS, Javascript, Entity Framework, C#, CSS, LESS, Design Patterns, SOLID Principles, UI/UX Design, GIT, T-SQL, NUnit, Rhino Mocks

Nov 2010 - Jun 2012

Moshk

Fullstack Developer

Intelligent road traffic status detection and prediction

Given the chance to explore different facets of software development, I joined Moshk's hardware development team to broaden my programming skills. As a team member, I contributed to the creation of a road observation system. This innovative system allowed researchers to monitor and predict road conditions, weather, and traffic volume. Working with weather stations and surveillance cameras, I started learning image processing techniques and employed DirectX to compute traffic levels under various weather conditions (temperature, humidity, visibility, and wind direction).

Methods and Tools used: Delphi/Pascal, C#, Assembly, 8051 microcontroller programming in embedded C using Keil, DirectX, GSM/SMS Integration, Data Validation, ASP.NET Web Forms, Ajax, JavaScript, MS SQL 2008

Jul 2007 - Oct 2010

Moshk

App/Web Developer

Digital Transformation

This marked one of my most impactful experiences as a web developer, being involved in every phase of the software development life cycle. From initial research and requirement gathering to deployment and delivery, I navigated through the entire process. I collaborated with various stakeholders, including customers, end-users, and project managers. Throughout this journey, I applied Delphi/Pascal programming skills for windows application client and utilized JavaScript, .NET Framework 2, Ajax (Atlas), and SQL Server 2008.

Methods and Tools used: .NET Framework 2, Asp.NET, MS SQL 2008, Ajax, Javascript, Crystal Reports, Delphi/Pascal, Windows Applications

Nov 2004 - Jun 2007

Moshk

App/Web Developer

Medical Clinic Automation Platform

I started my professional journey as a web developer at Moshk while pursuing my Bachelor's in Computer Science at university. As an intern within a team of classic ASP developers, I contributed to the development of a medical clinic automation platform. This experience provided a practical application of my programming skills, working with technologies like classic ASP, MS SQL 2000, and Crystal Reports. Following a successful internship period, I was officially hired after six months and continued my dedicated contributions to the platform's development until its successful delivery.

Methods and Tools used: Classic ASP, VB 6, VB Script, MS SQL 2000, Crystal Reports

Education

Fundamentals of Process Design and Facilitation, Hyper Island, Stockholm, Jan 2023

Frontend development program, Hyper Island, Stockholm, 2022

Bachelor of Computer Science, PNU of Tehran, 2010 – 2015