

# YOUNESSE AZZI

.NET Technical Expert • Tech Lead • Solution Architect

13+ years of experience | Rabat, Morocco | [azzi.younesse@gmail.com](mailto:azzi.younesse@gmail.com) | +212 676599560

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## PROFESSIONAL SUMMARY

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Microsoft .NET technical expert and tech lead with 13+ years of experience designing, modernizing and shipping enterprise-grade applications across public-sector, retail and industrial clients. Specialized in legacy-to-modern migrations (.NET Framework to .NET 10), clean architecture, CQRS, microservices, and cross-stack delivery with Angular, Vue.js and WebAssembly. Comfortable owning the full lifecycle — estimation, architecture, coaching, development, deployment — and equally passionate about side projects that push my stack end-to-end.

## PROFESSIONAL EXPERIENCE

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**Tech Lead — .NET Technical Expert** — *Harmony / Netopia · Rabat (Morocco)* Jan 2026 – Present

**Ministry of Finance — Patrimoine / Tassyir / Référentiel des Prix**

**Client:** Ministry of Finance

**Role:** Tech Lead

- Delivered 3 modules (Patrimoine, Tassyir, Référentiel des Prix) integrated into a legacy ERP.
- Designed and implemented the solution using .NET 10 and Angular under a clean architecture.
- Containerized services with Docker for consistent deployment across environments.
- Coached the team and acted as the technical referent for the client.

**Tech stack:** .NET 10, Angular, SQL Server, Clean Architecture, Docker

**Tech Lead — .NET Technical Expert** — *SQLI · Rabat (Morocco)* Jun 2018 – Dec 2025

**Project D-TECT V2 — Legacy backend modernization**

**Client:** SGS

**Role:** Tech Lead

- Led the full migration of the legacy backend from .NET Framework 4.8 to .NET 10.
- Introduced Wolverine for Mediator pattern and CQRS, replacing the legacy MediatR-based stack.
- Re-architected the data access layer with Entity Framework Core under a clean architecture approach.
- Owned architecture decisions, technical coaching of the team and client-side consulting.

**Tech stack:** .NET 10, Wolverine, CQRS, MediatR pattern, EF Core, Clean Architecture, SQL Server

**Project D-TECT Web Viewer — WPF to Web migration**

**Client:** SGS

**Role:** Tech Lead

- Migrated the legacy WPF image viewer and editor to a full web application using WebAssembly and Angular.
- Designed the imaging pipeline on top of OpenCVSharp and ImageSharp for high-performance image processing.
- Integrated BotSharp for running C# code in the browser.
- Led the cross-functional team and aligned the new web architecture with the existing .NET ecosystem.

**Tech stack:** .NET 10, C#, WebAssembly (WASM), BotSharp, OpenCVSharp, ImageSharp, Angular

## Project D-TECT — Inspection platform

**Client:** SGS

**Role:** .NET Technical Expert / Team Lead

- Estimations, design and development of multiple modules.
- Technical and functional coaching of the team.
- Client-side consulting and deployment ownership.

**Tech stack:** ASP.NET MVC 5, WPF, WCF, AngularJS, Kendo UI, Hangfire, Castle.Windsor, MediatR, AutoMapper, FluentValidation, Caliburn, Entity Framework, SQL Server

**.NET Technical Expert** — *SQLI · Rabat (Morocco)*

*Mar 2013 – Jun 2018*

## Portail d'orientation

**Client:** Ministry of National Education

- Estimations, design and development of multiple modules.
- Technical and functional coaching of the team and client consulting.
- Deployment and production support.

**Tech stack:** ASP.NET MVC 5, Unity, Bootstrap, jQuery, Entity Framework, SQL Server

## SFTP Exchange

**Client:** Ministry of National Education

- Full lifecycle ownership: estimation, design, development and deployment.
- Client-side consulting on the SFTP integration.

**Tech stack:** SFTP protocol, C# .NET, PL/SQL, Oracle

## E-BTS

**Client:** Ministry of National Education

- Estimations, design and development of multiple modules.
- Technical and functional coaching of the team.
- Client consulting and deployment.

**Tech stack:** ASP.NET MVC 5, Unity, Bootstrap, jQuery, Entity Framework, SQL Server

**.NET Engineer** — *SQLI · Rabat (Morocco)*

*Nov 2013 – Mar 2016*

## Massar Cube — BI

**Client:** Ministry of National Education

**Role:** .NET BI Engineer

- Built ETL processes and PL/SQL scripts.
- Designed and delivered reporting solutions.

**Tech stack:** SSIS, SSAS, SSRS, Power BI, SQL Server

## SGS V2 (MASSAR)

**Client:** Ministry of National Education

- Design and development of multiple modules with unit testing coverage.

**Tech stack:** ASP.NET MVC 5, Unity, Bootstrap, jQuery, Entity Framework, SQL Server

## Sage

**Client:** Ministry of National Education

- Design, development and unit testing of multiple modules.

**Tech stack:** Silverlight, WPF, WCF, C# .NET, XAML, Entity Framework, SQL Server

## SGS (MASSAR)

**Client:** Ministry of National Education

- Module-level design and development with unit testing.

**Tech stack:** Silverlight, WCF, C# .NET, XAML, Entity Framework, SQL Server

## Caroline

**Client:** Carrefour

- Design and development of multiple modules with unit testing.

**Tech stack:** ASP.NET MVC 5, Bootstrap, jQuery, Telerik Kendo UI, Unity, WCF, C# .NET, VB.NET, XAML, Entity Framework 6, SQL Server

## PERSONAL PROJECTS

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### MyCarDashboard — Car Monitoring Platform

- **Passion project** crafted end-to-end from conception to deployment, showcasing full ownership of the product lifecycle.
- IoT-based vehicle monitoring with trip tracking, maintenance alerts and personalized notifications.
- Dynamic dashboards with real-time observability and analytics.

**Tech stack:** .NET, Angular, PostgreSQL, Redis, Docker, Grafana, Loki

### PingMyCars — Smart QR for car owners

- A QR-code-based solution that bridges car owners and the public during vehicle-related emergencies.
- Users generate a personalized QR code displayed on their car window; scanning it sends the owner an instant message.
- Covers accidents, parking issues and other urgent situations with secure, identity-preserving messaging.

**Tech stack:** .NET 10, Vue.js, PostgreSQL, Redis, Twilio, Docker

### OnePlace — Personal life dashboard

- Personal productivity dashboard combining note-taking, organization tools and daily planning.
- Acts as a personal assistant centralizing tasks, notes and reminders in one place.

**Tech stack:** Vue.js, Firebase, Docker

## EDUCATION & CERTIFICATIONS

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- **2015 — Microsoft Certification 70-480:** Programming in HTML5 with JavaScript and CSS3
- **2014 — SQLI Training:** CMMI-DEV model
- **2013 — Engineering Degree (MIAGE), EMSI —** École Marocaine des Sciences de l'Ingénieur, Rabat
- **2010 — Specialized Technician Diploma in IT Development, ISTA —** Errachidia

## TECHNICAL ENVIRONMENT

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<b>Backend</b>	.NET 10 / .NET Framework 4.8, C#, ASP.NET MVC 5, ASP.NET Core, WCF, Web API, Wolverine, MediatR, AutoMapper, FluentValidation, Hangfire, Castle.Windsor, Unity
<b>Frontend</b>	Angular, Vue.js, AngularJS, WebAssembly (WASM), Bootstrap, jQuery, Kendo UI, HTML5, CSS3, JavaScript, XAML, WPF, Silverlight
<b>Architecture</b>	Clean Architecture, CQRS, Mediator pattern, Microservices, n-tier, Design Patterns, UML, Merise
<b>Imaging &amp; AI</b>	OpenCVSharp, ImageSharp, BotSharp
<b>Data</b>	SQL Server, PostgreSQL, Oracle 11g, Entity Framework / EF Core, PL/SQL, Redis
<b>BI / Reporting</b>	SSIS, SSAS, SSRS, Power BI
<b>DevOps &amp; Tools</b>	Docker, Grafana, Loki, IIS, Git, Visual Studio (2005 – 2022)
<b>Languages</b>	C#, VB.NET, Java / J2EE, SQL, TypeScript, JavaScript

## LANGUAGES

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<b>English</b>	Read, written and spoken
<b>French</b>	Read, written and spoken
<b>Arabic</b>	Native