



# Adrien Laloyaux

.NET & Blazor Developer | Defense Environment | Freelance Web

<https://adrienlaloyaux.github.io/CV>



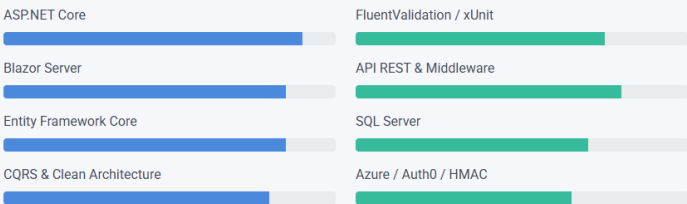
## About Me

Passionate web developer specialized in .NET Core and Blazor. I combine my experience in the Defense sector with my freelance activity to design powerful web solutions.

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## Skills



## Professional Experience

### Freelance Fullstack .NET & Web Developer at MonkeyDev

2023 - today

- Client analysis & full project support
- Custom app development (Blazor, ASP.NET Core)
- Product demos and training sessions
- Deployment & technical support
- Occasional AI integration
- Tech consulting: hardware, network, infrastructure

### .NET Developer Belgian Defense - CCV&C

2021 - today

- Lead developer for critical internal applications
- Requirements analysis, specifications, and technical design
- Client-facing presentations and iterative feedback integration
- Mentorship and technical support to junior developers
- Greenfield development with Blazor Server, ASP.NET Core & EF Core
- Creation of technical & user documentation
- Secure deployment in military-grade environments
- Unit testing with xUnit, all security audits passed

### System & Network Administrator at 6Gp CIs, Evere

2019 - 2021

- Level 1 & 2 support for internal users
- Administration of multiple Active Directory domains
- Installation, configuration and maintenance of servers and client devices
- Preventive and corrective maintenance of systems
- Troubleshooting various incidents (network, printers, accounts...)
- Task automation using PowerShell scripts
- Contributed to improving the local network infrastructure



## Recent Projects (Last 24 Months)



### 2023-2025 - Community Dashboard with Seller Area

24 months - Lead Developer

Designed and developed a full-featured multilingual dashboard with user profiles, restricted zones, ratings, and a seller space.

#### Tech Stack

- Modular architecture (Clean Architecture, CQRS)
- REST APIs with MediatR for business logic and Minimal API for lightweight services (e.g., AI)
- Centralized authentication with Auth0, secured exchanges via HMAC
- Error-handling middleware and custom request handlers
- Server-side validation using FluentValidation & unit testing with xUnit
- Data persistence via Entity Framework Core (Code First) & SQL Server
- Responsive UI in Blazor Server & BlazorBootstrap, deployed on Azure

### 2023-2025 - Modular Active Directory Manager

20 months - Lead Developer

Modular web solution designed to manage Active Directory identities in a secure environment.

#### Tech Stack

- Full-featured Active Directory account management: creation, update, disable, reset, and group assignments
- Modular design with Clean Architecture & CQRS, REST APIs per domain
- Reusable components with Blazor Server and centralized business logic via MediatR
- Strong security: Windows Authentication and secure exchanges using HMAC
- Server-side validation with FluentValidation and automatic mapping via AutoMapper
- Persistence with Entity Framework Core & SQL Server

### 2024 - Automated Email Transfer

8 months - Lead Developer

Secure web application to automate internal email transfers between departments using Exchange.

#### Tech Stack

- Configuration interface using Blazor Server to define transfer rules
- Integration with Exchange and PowerShell scripts to trigger logic
- Secure API calls with HMAC middleware, security filters, and quarantine zones
- Configurable reset system (JSON-based) and custom metadata validation engine
- Centralized logging: dedicated database, REST API, and log viewer interface
- Configuration and logs stored in SQL Server
- Backend developed in ASP.NET Core

### 2023-2024 - Utility Tools & Automation Projects

Short-term projects - Development & automation

- Smart aggregation of multi-app logs with SQL filtering and consultation UI
- Automated Active Directory mismatch detection and correction
- Excel import and processing, with stock display and PDF invoice generation

C# EF Core SQL Server WinForms



## Education

### Bachelor in Computer Science from EPHEC

2019 - 2023

- C# / ASP.NET / SQL Server development
- Project management, Networking, Analysis, E-business
- Final Project: Active Directory Manager using ASP.NET Core 6 & Blazor
- Graduated with Honors

### Royal School for Non-Commissioned Officers

2015 - 2018

Specialized in transmission: line laying, networking, and system administration.

### Integrated Preparatory Class at EISTI, Cergy

2009 - 2011

Training in Mathematics, Physics, and Computer Science.



## Hobbies & Interests

### Running & Cycling

Since 2004

Regular participant in running events and cycling trips. Around 500km running and 8000km cycling per year.

### Gin Collector

Since 2018

Collector of over 150 gin bottles from around the world.