

Thomas Vuille

Senior Software Engineer

Curious, self-driven and proactive, driven by problem-solving

- I design and develop robust software tailored to users.
- Speed and quality: I anticipate blockers before they waste time.
- I proactively work on diverse projects: business software and consumer applications.
- Beyond code: stepping back on architecture, sharing knowledge and making trade-offs.

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GitHub : <https://github.com/newtomsoft>

Location : Lyon



[Full version](#)

Professional experiences

Creator & Developer

2026

MiniMaxPuzzle

Multilingual blog about logic puzzles (Nikoli). Automatic solving via Z3/OR-Tools, learn the rules, play online.

[Astro](#) [TypeScript](#) [Python](#) [Z3](#) [OR-Tools](#) [Vitest](#) [Stryker](#) [Playwright](#) [GitLab CI/CD](#)

Software Engineer, Lead C# / Blazor Developer

05/2025 - 01/2026

Blitz Business Service

Development of a debt collection software & lead dev of 3 junior developers.

[C# 12](#) [.NET 8](#) [Blazor WebAssembly](#) [MudBlazor](#) [SQL Server](#) [EF Core](#) [PostgreSQL](#) [Jenkins](#) [Gitea](#)

Creator & Developer

2024 - present

NewTomSoft

Development of puzzle-solving applications (Sudoku, Nonograms, Hitori, etc.) with logical constraint modeling using Z3 and OR-Tools.

[Python 3.12](#) [Z3](#) [OR-Tools \(CP-SAT\)](#) [Playwright](#) [Pytesseract](#) [PyCharm](#) [Git](#)

Software Engineer, Lead Developer

06/2023 - 12/2023

Addactis

Development of workflow software connecting different internal company solutions. Microservices architecture with GitLab CI/CD.

[C# 10](#) [.NET 6](#) [Angular 14](#) [TypeScript](#) [SQL Server](#) [EF Core](#) [GitLab CI/CD](#)

Software Engineer - Cybersecurity, Lead Developer

04/2022 - 04/2023

Sysdream

From-scratch development of cybersecurity software. Microservices architecture (C# backend, Angular frontend, Go agents).

[C# 10](#) [.NET 6](#) [Angular 14](#) [Go](#) [PostgreSQL](#) [EF Core](#) [RabbitMQ](#) [Linux](#)

C# .NET 6 Developer

10/2021 - 01/2022

CNR

Refactoring of WinForms VB.NET application to WPF C# .NET 6 with hexagonal architecture and EF Core 6. Oracle SQL database.

[C# 10](#) [.NET 6](#) [WPF](#) [EF Core](#) [Oracle SQL](#)

Software Engineer

11/2020 - 07/2021

Mersen

Refactoring of fuse resistance measurement software (legacy VB6 code). Hexagonal architecture, OPC/I-O communication, offline mode with sync.

[C#](#) [.NET Core 5](#) [WPF](#) [MVVM](#) [EF Core](#) [MySQL](#) [SQLite](#) [OPC](#)

C# .NET Trainer
Start In Block / m2i

10/2020

5-day training on C# and .NET for C++ developers: CLR, LINQ, EF, WPF/MVVM, ASP.NET MVC, TDD, Clean Code.

- C#
- .NET
- WPF
- ASP.NET MVC
- TDD
- Clean Architecture

[More experiences](#)

Education

Ajc Formation	07/2018 - 10/2018
C# Training - .NET ecosystem, Agile/Scrum, ASP.NET/MVC, WPF/XAML, Git, Azure, LINQ, EF, SQL Server	
Polytech' Grenoble	09/1998 - 09/2001
Industrial Computer Engineering - C and C++, instrumentation, signal processing, automation	

Skills

Languages & Frameworks

- C#
- .NET
- ASP.NET
- Python
- TypeScript
- JavaScript
- Angular
- Vue.js
- WPF / XAML
- Blazor
- EF Core
- SignalR
- Go
- Astro
- Java

Methods & Tools

- Agilité
- SOLID
- Clean Architecture
- TDD
- DDD
- Docker
- Kubernetes
- Microservices
- SonarQube
- Playwright
- Selenium
- RabbitMQ

Databases

- SQL Server
- PostgreSQL
- Oracle SQL
- MySQL / MariaDB
- SQLite
- MongoDB
- Redis
- Elasticsearch

IDE & Tools

- Rider
- Visual Studio
- PyCharm
- WebStorm
- VS Code
- GitHub Copilot
- Vitest
- Stryker
- Trello

AI & Assistants

- Claude Code
- OpenCode
- Codex
- ZCode
- Kimi Code
- Antigravity

DevOps & Homelab

- GitLab CI/CD
- GitHub Actions
- Keycloak
- Auth0
- Terraform
- Ansible
- Nginx
- Apache
- Traefik
- Portainer
- Prometheus / Grafana
- Uptime Kuma
- Umami
- Fail2ban
- WireGuard / Tailscale
- Nextcloud
- Immich