Marian Focșa

Date of birth: 04/08/1996 | **Nationality:** Romanian | **Email address:** marian@foxbites.net |

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Address: Iasi, Romania (Home)

ABOUT ME

Sassy and creative software expert with great skills of communication, attention to details & architectural thinking. Based on my fast learning algorithm and team choreography understanding, I'm looking forward to growing myself into the better professional by tackling difficult projects and coming front with innovative solutions. Open-minded, I'll be always looking for a new challenge to take on.

With a verifiable experience in developing web applications with (but not limited to) the .NET tech stack and various front-end goodies (from plain JS up to Angular and React), and a born ability to track and fix problems, build tools, and test new technologies, I am ready to expose to you the secrets of high-quality software development.

WORK EXPERIENCE

🏢 FOXBITES.NET – IASI, ROMANIA

INDEPENDENT SOFTWARE ENGINEER – 01/06/2025 – CURRENT

Software Development is about discovering that you are actually a god and you can create literally anything, you are limited only by your imagination (or at least this is the reason why I initially got into it). Therefore I started investing more time, alongside my main job, into personal projects:
- • - Writer at thefoxdiaries.substack.com
- • - Creator of two brand-new side projects
- • - Creator of connect.foxbites.net (CV / Portfolio Website)
- • - Self-hoster at foxbites.net
- • - Seldom GitHub contributor

Details can be found in the Projects section.

Related projects: The Fox Diaries Substack, Side Projects #1, CV / Portfolio Website, Self-Hosting, GitHub* Contributor (seldom)

🏢 NESS DIGITAL ENGINEERING – IASI, ROMANIA

TECHNICAL LEAD – 30/07/2021 – CURRENT

Solving business problems and architectural challenges on a transport intelligence product while leading a scrum team towards sprint goals in an Agile environment, visibly reducing their stress, helping them learn, be productive and never forget that humour is important - all through a philosophy of building trust, based on professionalism and saying "no" when needed, with other engineers and product representatives across UK and France.
Related projects: Flowbird - ABT

Responsibilities: system design, architecture, team choreography, technical solutions design, software development, code reviews, mentorship, interviews

Activities: Business Capping Rule Engine (re)design and expansion (e.g. concessions) to match custom transportation rules; Multi-Tenancy migration challenges analysis, change design and implementation; Notifications System (email + sms), Identity Validation (IDNow), Payment Processors & 3rd parties integration (e.g. Google Wallet, NMI), two production launches extended support (Sherlock Holmes + bugfixing); documentation guru; tooling management delegate (.NET 6 + .NET 8 + React upgrades, dev environment setup with docker compose, Jenkins scripting, Rancher Desktop migration, UI unit tests introduction); Settings management (upgrade settings storage and documentation); diagramming; Re-Captcha (brute-force attack mitigation); internal reusable generic mechanisms (e.g. redis caching, requeue for out-of-order messages, identity middlewares)

Highlights: Ness Excellence Champion Q2 2023 - for nurturing a culture of excellence within the organization; opened the **"Behind the Ness Scenes"** program in 2024 (social 1, social 2) for outstanding customer satisfaction

Tech stack: similar to the previous position, with the addition of more cloud tools, bits of kubernetes and third party integrations - Google Wallet, IDNow, AWS (S3, SNS, SMS, Glacier, Elastic, RDS)

⊞ **NESS DIGITAL ENGINEERING** – IASI, ROMANIA

SENIOR SOFTWARE ENGINEER – 06/2020 – 29/06/2021

Creative software engineer working on a transport intelligence product in a scrum-based large team, with a tech-stack floating around .NET (Core) and React, collaborating in an Agile environment with other engineers and product representatives across UK and France.

Activities: software development & maintenance, bug tracking, architecture, API Design, providing technical solutions for business requirements, code reviews, writing technical documentation, investigating tech news & solutions and presenting them to the team, mentorship (interns, new joiners)
Related projects: Flowbird - ABT

Activities: software development & maintenance, bug tracking, architecture, API Design, providing technical solutions for business requirements, code reviews, writing technical documentation, investigating tech news & solutions and presenting them to the team, mentorship (interns, new joiners)

Highlights: Ness Partnership Ambassador Q3 2021 - for outstanding teamwork

Back-end: .NET Core, ASP.NET (Core) WebApi, Entity Framework (Core), Redis, RabbitMQ, Keycloak (Identity Provider), Hangfire, MSUnit
UI: React, Material UI, HTML, CSS, SCSS, JSS, JEST
Languages: C#, JavaScript, LINQ, SQL (flavors: PostgreSQL)
Environment: Visual Studio, Visual Studio Code, SonarQube, docker, Jenkins, AWS, DBeaver, GIT (Bitbucket), Postman, Jira, Confluence, LucidChart, DataDog, ElasticSearch + Kibana
Other: EasyNetQ, EFPlus (batch queries), RestSharp, Automapper, custom react libraries, custom nuget, npm & docker repositories

⊞ **KIREYEST S.R.L.** – IASI, ROMANIA

LEAD SOFTWARE DEVELOPER – 08/2017 – 06/2020

Team leader/lead developer of a continuously growing team, working with a tech-stack floating around .NET (Core) and Angular, collaborating in an Agile environment with clients and managers.

Activities: software development & maintenance, writing technical documentation, API design, technical decisions based on requirements, software architecture, planning & estimates, mentorship (*planning & implementation of training sessions on .NET, Angular & related*)
Related projects: K-Value, GDM, Kaly, Risk Asset Manager, Promis - Oil&Gas Project Management
Frameworks: .NET Framework / Core, ASP.NET (Core) MVC / WebApi / WebForms, Entity Framework (Core / 6), Angular, MSUnit
Languages: C#, TypeScript, JavaScript, LINQ, SQL (flavors: T-SQL, MySQL, PostgreSQL)
Environment: Visual Studio, Visual Studio Code, docker, Jenkins, SQL Server Management Studio, DBeaver, GIT (Bitbucket), Postman, Jira, Citrix Workspace
Others: HTML, CSS, jQuery, Chart.JS, Angular Material, PrimeNG, Bootstrap, ASP.NET Core DI, Autofac, Enterprise Library, Automapper, EPPlus (Excel), NPOI (Excel), EFPlus (batch queries), SqlKata (query builder), PDFSharp, SSO, Office365 / Teams integrations

⊞ **KIREYEST S.R.L.** – IASI, ROMANIA

.NET SOFTWARE DEVELOPER – 09/2015 – 07/2017

Worked part-time, while also studying at university, alongside both junior and experienced developers, on a various set of technologies, in order to gain experience.
Related projects: Anti-fraud - Fraud & Risk Management, "Vittoria's Secrets" - Automated Tests & Tools, "Product Factory" - Banking Product Management
Frameworks: .NET Framework, ASP.NET WebForms, WPF (MVVM), Entity Framework, Spring.NET, Telerik
Languages: C#, VB.NET, T-SQL flavor, LINQ, XAML
Environment: Visual Studio, SQL Server Management Studio, TFS, SVN (Tortoise), Citrix
Others: HTML, CSS, jQuery, Bootstrap

⊞ **KIREYEST S.R.L.** – IASI, ROMANIA

.NET SOFTWARE INTERN – 06/2015 – 10/2015

Trained by a supervisor in a long list of .NET Technologies by realizing small projects (enum: C#, VB.NET, ASP.NET WebForms,ASP.NET MVC, ADO.NET, Entity Framework, WPF – MVVM, WFC, Spring.NET, T-SQL, Javascript & jQuery, HTML, CSS...).

LANGUAGE SKILLS

Mother tongue(s):   **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

JOB-RELATED SKILLS

Job-related skills

Each category is listed in the order of mastery, from highest to lowest.

Professional Skills
- Web Development: Designing & creating APIs, sync or async; consuming them through different web frameworks. Knowledge of core concepts that I can apply to any other framework
- .NET Development: Libraries, APIs or Desktop, with insights into latest versions of .NET
- OOP / S.O.L.I.D.
- Data Structures & Algorithms
- Technical Design - Technical design and optimization of solutions fitting the business needs
- Front-End Development: with or without a framework
- Enterprise patterns: Choreographies between (micro)services using HTTP and/or exchanges/event queues for optimal problem solving
- AI (of course): The best skill of an experienced developer is googling; now it's the ability to use AI for googling. Master of Perplexity and Copilot
- Databases: Mostly relational: Manage, Query, sometimes even Procedural Programming
- Mentorship: Ability to teach knowledge from all these fields to others, provide guidance to interns and peers etc.

Technologies mastered
- ASP.NET: Includes ASP.NET (MVC, Web API) and many Nu-Get libraries for any usecase
- Front-End Frameworks & Libs: React, Angular, Unit Testing, jQuery, Vue.JS, Bootstrap, Material Design Frameworks (Angular Material, Materialize, Material UI), PrimeNG, Ionic, etc
- Databases & ORMs: Includes Postgres / SQL Server / MariaDB knowledge, query writing, query building, Entity Framework proficiency (+- EFPlus, LINQ), adaptable to other ORMs
- Docker & The Cloud: Working scenarios and application build & deployment through docker containers to the cloud (AWS / Azure), recently also through kubernetes
- Application Security: Expertise with secure coding practices, application auth* and vulnerability assessments
- CI / CD: Worked with various pipelines for CI/CD: Jenkins, GitHub Actions, GitLab, Bitbucket Pipelines, TeamCity
- Agile & Customs
- Async Programming
- Old .NET Framework: Refers to other .NET Framework knowledge, like WCF, WFA, WPF
- Cross-platform web: Experience with building cross-platform desktop/mobile applications using Electron, Cordova, Ionic

Programming Languages: C#, TypeScript, JavaScript, SQL, Python, Scripting (others), VB.NET, Java, C/C++

● PERSONAL SKILLS

Organisational skills

- Problem Solving
- Organizational Suite: Bringing order into chaos - task management, documentation, code - everything must be organized!
- Confidence
- Attention to details: A very keen eye, being able to spot details and figure out what's wrong with lightspeed
- Creativity: A great software creator needs creativity, imagination, and the ability to think outside the box in order to come forth with innovative solutions
- Fast Learning algorithm: Quick grasp of new concepts and technologies; practical sense of how things work and cross-applying concepts
- Architectural Mind: Abstract concepts feel easy as a breeze
- Leadership & Team Choreography: Ability to lead teams, as a technical leader not as a manager, to help them grow, to provide guidance and support and, on top of all, a lot of fun
- Communication: Easy to communicate with, thanks to a strong passion for human psychology
- Interviewing: Developed an algorithm for conversational interviews to figure out the technical & psychological match of candidates with the team/project

● EDUCATION AND TRAINING

01/07/2022 – 04/07/2022
THE PRINCIPAL DEVELOPER MASTERCLASS The Principal Dev

Attended a great training - The Principal Dev" by Eduards Sizovs - in order to better understand the psychology of teams and how to add value and technical excellence to my work gang. A great course with a lot of new ideas to apply.

Website https://principal.dev/

01/04/2019 – 30/11/2021
UDEMY - COURSES Udemy

Took a series of courses on Udemy to expand my knowledge:
- - **React - Full Guide & Redux Saga**: needed for work. See GitHub
- - **Vue JS 2 - The Complete Guide**: learned to keep-up with the ongoing progress of front-end technologies and to do some comparisons with Angular. See Certificate and GitHub
- - **DevOps Essentials**: core DevOps ecosystem notions by The Linux Academy. See Certificate and GitHub
- - **Agile Project Management: Scrum Cert. Prep**: It includes 2 courses: Scrum Certification Prep + Scrum Master + Agile Scrum Training && Agile Project Management: Scrum Step by Step. I took this set of courses in order to clarify my notions about Agile methodologies and the Scrum framework. See Certificate
- - **Angular - The Complete Guide**: used for rooting my knowledge on Angular after already working on it for some months. See Certificate and GitHub

Related projects: Learning Curve #2

Website https://udemy.com

09/2014 – 07/2017 Iasi, Romania
DEGREE IN COMPUTER SCIENCE Faculty of Computer Science, "Alexandru Ioan Cuza" University

Status: finished, no license.
Three years of learning more or less useful knowledge (presented in a more or less optimized fashion), meeting new people and discovering new ideas about my future self. Topics studied added as tags.
Related projects: Fun Web / Solution1, Learning Curve - University

- **Highlights:Online International Olympiad of Mathematics MO-Ariel 2015**: Participated at MO-Ariel (online international olympiad of Mathematics) in 2015, alongside 3 teammates, guided by Mr. Florin Iacob (FII). Advanced to the finals, in the online Mathematics „Championship". Won a bronze medal.

Topics studied:
Web Technologies, Cloud Computing, .NET, .NET Advanced, OOP Programming, Programming Engineering, Computer Networks, Databases & DBMS Practice, Operating Systems - Linux, Python, Game Design & Development, Computer

Graphics (C), Regular Expressions, Mathematics, Logics for Computer Science, Machine Learning, Artificial Intelligence, Data Structures, Algorithms Design, Java

Website https://www.info.uaic.ro/

08/2010 – 07/2014 Vaslui, Romania
BACCALAUREATE DIPLOMA IN MATHEMATICS AND COMPUTER SCIENCE „Ștefan Procopiu" High-School

Also obtained *Professional Certificate*, *Baccalaureate Diploma* and *English Certificate*.Baccalaureate - Jun 2014. Avg: **9.86**
▦ Mathematics: **10**
▦ Computer Science (C/C++) : **10**
▦ Romanian Language & Literature: **9.6**.

- **Highlights:- IT Marathon, 2014**: Participated alongside a friend in this contest, organized by AC Iași. The main goal of the contest was to build in a day (6-8 hours) a desktop LAN chat client. Finished 3rd place.
- **- O.T.I. 2011, 2012, 2014**: Participated at O.T.I. ("Olimpiada de Tehnologia Informației" ~ Competition of Informatics Technology, formerly known as C.I.A.).
- 2014: Domain was C#. 2nd place county level.
- 2012: Domain was Web / Microsoft Office / General Computer Knowledge. 1st place county level, nothing national level
- 2011: Domain was Web / Microsoft Office / General Computer Knowledge. 1st place county level, Silver national level
- **- Mathematics Olympiad**: Participated in a mathematics club and competed in the county level competitions.
- **- Computer Science Olympiad**: Participated in a CS club and competed in the county level competitions

Website http://lspvs.ro/ | **Level in EQF** EQF level 4

HOBBIES AND INTERESTS

Interests

"We don't read and write poetry because it's cute. We read and write poetry because we are members of the human race. And the human race is filled with passion. And medicine, law, business, engineering, these are noble pursuits and necessary to sustain life. But poetry, beauty, romance, love, these are what we stay alive for."

- Robin Williams in 'Dead Poets Society'

I am passionate about:
- ☆ Movies
- ♫ Music
- ♨ Books
- ✎ Writing
- € Money
- ☼ Photography
- ☻ Art
- ♟ Humour
- ▶ Video Games
- ‰ Shopping

PROJECTS

08/2025 – CURRENT
Side Projects #1

Details: Working on a mobile application around building healthy hobbies and meeting people (with a twist) and a game with quizzes, similar to the former QuizzUp, but with a lovely twist.
Role: product owner, developer
Type: Side Project

07/2024 – CURRENT
Self-hosting Lab

Details: Home server, first for multimedia (Plex), then extended for photos (immich), cloud (nextcloud), development (jenkins, gitlab) & app deployments (e.g. portfolio website). Protected with tailscale & cloudflare zerotrust. Wrote about it on substack
Role: technical ninja
Type: Side Project

07/2022 – CURRENT
The Fox Diaries Substack

Details: A technical blog (migrated from Medium) where I write about tips and tricks on technical topics (most famous until now are a migration from Docker to Rancher and a Plex Server setup guide)
Role: technical writer
Type: Side Project / Writing

03/2021 – CURRENT
CV / Portfolio Website

Details: A personal website written in React and deployed with docker to showcase my CV and portfolio - connect.foxbites.net
Role: software engineer
Type: Side Project

01/2021 – CURRENT
GitHub* Contributor (seldom)

Details: Created: fx-core, portfolio-cookbook, self-hosting-cookbook and others, and contributed to: plugin.video.hbogoeu, Jackett
Role: software engineer
Type: Side Project

06/2020 – CURRENT
Flowbird - ABT

Details: Account Based Ticketing (ABT) is an open-payment transport intelligence solution for making public transport easier (tap your card & no cares). It Reacts to the users when viewing their journeys data & uses the cloud to choreograph its workflows through RabbitMQ & ASP.NET
Client: *Flowbird*
Role: full-stack developer
Type: Work

04/2019 – CURRENT
Learning Curve #2

Details: Took different courses to learn new technologies and documented the process on GitHub, for example: devops, angular, vue, react
Role: engineer
Type: Learning / Ongoing

08/2018 – 08/2020
Replay.NET - Streaming App Playground

Details: Web application integrating many existing movie engines (IMDb, Trakt, Taste) for creating an one-place streaming experience. Includes: ASP.NET Core, automation with Puppeteer, streaming from HTTP and P2P, WebTorrent, Electron.
Role: product owner, full-stack developer
Type: Personal / Abandoned

10/2019 – 06/2020
K-Value | KG Talent Platform

Details: K-Value aggregates employee & implements a feedback system for employees, based on various business indicators, in order to provide a strong overview of a company's workforce. It is written with Spring and Angular, using Office365 and Teams web integrations.
Client: *Kirey Group*
Role: tech leader, full-stack developer
Type: Work

10/2019 – 06/2020
Kaly

Details: Web application, Spring + Angular, for managing a corporation's internal resources and workflows (employees, timesheets, holidays). I helped reengineer it (from performance and code-quality standpoint) and further build of advanced modules.
Client: *Kirey Group*
Role: tech leader
Type: Work

09/2019 – 06/2020
GDM

Details: Part of the maintenance and evolutionary requests management team for GDM - an application constructed out of a set of services, with a web application on top of them, that handles document management (at multiple layers).
Client: *Generali*
Role: full-stack developer
Type: Work

01/05/2018 – 31/08/2019
Risk Asset Manager

Details: Web application, reengineered after an old Desktop app, with ASP.NET Core & Angular, which does banking workflows, algorithms and management of assets.
Client: *Intesa Sanpaolo*
Role: tech leader, full-stack developer
Type: Work

01/2016 – 30/03/2019
Learning Curve #1

Details: Small applications built for wanting to try out different technologies: [Change Notifier](), [CodinGame Problem Solver](), [Leetcode Problem Solver](), [ID3 ML Helper]()
Role: developer
Type: Learning

09/2018 – 11/2018
Autofiller - Gurushots Automation Bot

Details: Created as a side project in order to test if Gurushots' voting sessions and friend search can be automated using Puppeteer and .NET Core
Role: product owner full-stack developer
Type: Personal

08/2017 – 04/2018
Promis - Oil&Gas Project Management

Details: Web application, ASP.NET MVC & (*FE libs) of which purpose is the management of huge oil&gas project's construction and resources
Client: Erbrand
Role: tech leader, full-stack developer
Type: Work

10/2016 – 08/2017
"Product Factory" - Banking Product Management

Details: Developed WPF Desktop application, with an internal MVVM framework, following best practices, adding ideas and testing.
Client: *Intesa Sanpaolo*
Role: desktop developer
Type: Work

01/11/2016 – 31/05/2017
Learning Curve - University

Details: This 'project' lists all the interesting projects worked on in years 2 and 3 of university: [Numerical Calculus](), [Computer Graphics](), [Cloud Computing](), [Python](), [Artificial Intelligence](), [.NET Core]()
Role: student / developer

Type: University

03/2016 – 02/2017
Fun Web / Solution1 - Learning Multiplayer

Details: Fun educational app for learning courses, gaining XP, and competing in multiplayer Q&A. Transformed afterward in assignment upload/grade management. Check: [here](), [here]()
Type: University

06/2016 – 11/2016
"Vittoria's Secrets" - Automated Tests & Tools

Details: Developed tools for the automated testing of a banking website (C#); also executed and maintained a set of tests (Telerik).
Client: *Vittoria Assicurazioni*
Role: test-tools developer, automation tests supervisor
Type: Work

09/2015 – 06/2016
"Anti-fraud" - Fraud management system

Details: Web application /w ASP.NET Web Forms. Entered the project when it was in progress and developed different functionalities.
Client: *Kirey*
Role: full-stack developer
Type: Work