Marian Focșa

Date of birth: 04/08/1996 │ **Nationality:** Romanian │ **Gender** Male │ (+40) 741579351 │

contact@marianfocsa.info │ https://marianfocsa.info/ │

https://www.linkedin.com/in/marianfx │ Iasi, Romania, 700249, Iasi, Romania

About me: Sassy software enthusiast 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 increasing my software engineering skills and growing myself into the better developer 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

07/2020 – CURRENT – Iasi, Romania
SENIOR SOFTWARE ENGINEER – NESS DIGITAL ENGINEERING

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

Tech stack: .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, docker, Jenkins, AWS, DBeaver, GIT (Bitbucket), Postman, Jira, Confluence, LucidChart
Other: EasyNetQ, EFPlus (batch queries), RestSharp, Automapper, custom react libraries, custom nuget, npm & docker repositories

08/2017 – 06/2020 – Iasi, Romania
LEAD SOFTWARE DEVELOPER – KIREYEST S.R.L.

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

Iasi, Romania

10/2015 – 07/2017
.NET SOFTWARE DEVELOPER – KIREYEST S.R.L.

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

Iasi, Romania

07/2015 – 10/2015
.NET SOFTWARE INTERN – KIREYEST S.R.L.

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...).

Iasi, Romania

● 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

● DIGITAL SKILLS

Problem solving (problem analysis) | Content Creation | Communication & presentation skills | Information processing | Microsoft Office | Social Media

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Excellent communication skills on subjects related to my field of expertise, mostly based on the confidence I have in my technical background but also gained through my experience as a team leader and as a technical representative of the team in discussions with managers, business analysts, and customers.
Very good communication skills in other social-interaction environments, based on my vast pop-culture knowledge and thorough sarcasm.

JOB-RELATED SKILLS

Job-related skills

Domains of expertise:
- Web Development: designing and creating APIs, full-stack with different frameworks, knowledge of core concepts that I can apply other frameworks
- .NET Development: desktop, web or services
- S.O.L.I.D Programming: with thorough use of OOP and Design Patterns
- Architecture - Technical designs of solutions fitting the business needs
- Front-End Development: with or without a framework
- Relational Databases: Manage, Query, Procedural Programming
- Agile Methodology (with or without Scrum framework)
- Mentorship: ability to teach knowledge from these fields to others

Programming Languages Known (highest to lowest): C#, JavaScript, TypeScript, SQL (with flavors: PL/SQL, T-SQL, MySQL), Vb.NET, Python, C/C++, Java

Technologies mastered:
- ASP.NET (Basic & Core): ASP.NET MVC, ASP.NET Web API, .NET Core mechanism and many libraries and NuGet packages for any use-case
- Front-End Frameworks & Libs: React, Angular (5+), Material UI, Unit testing with JEST, jQuery, Vue.JS, Bootstrap, Material Design Frameworks (Angular Material, Materialize), PrimeNG, Chart.JS, etc.
- Databases & ORMs: Includes Postgres / SQL Server / MariaDB / Oracle knowledge, advanced query writing, query building mechanisms, Entity Framework (Core) proficiency with extras like EFPlus (batch) and LINQ, that can be adapted easily to other ORMs
- Docker & The cloud: Working scenarios and application deployments through docker containers to the cloud (AWS / Azure)
- Enterprise patterns: Defining choreographies between microservices using HTTP and/or exchanges/queues (RabbitMQ) according to business needs
- Async Programming
- Old school .NET Framework: for desktop-driven projects, like WPF / WFA, or WCF projects
- Node.JS: used only in non-work environments with frameworks like Express.JS and Sails.JS for server development and Electron for desktop-driven applications (also played with combining Electron with .NET Applications)
- Regular Expressions: includes basic knowledge, usually for easier find & replace and for validations

Other helpful skills: Fast Learning Algorithm, Architectural Thinking, Attention to Details, Proactivity, Leadership

ORGANISATIONAL SKILLS

Organisational skills

Good leadership expertise - from the team leader of 2 other people to managing the workflow of multiple teams in order to better suit the business.
Good organizational skills mostly gained with my attention to every detail of every process and the proficient use of tools that make the job easier (calendars, Office Suite, Jira Suite, Kanban boards - like Trello/Jira, planning applications, knowledge database applications like Notion, etc.).
Very good knowledge of organizing a team in order to follow the Agile methodology (with or without using the Scrum framework) obtained through following a course on this subject and from experience.

EDUCATION AND TRAINING

01/09/2019 – 04/12/2019
VUE.JS THE COMPLETE GUIDE - CERTIFICATE OF COMPLETION – Udemy

I took this complete course about Vue.js in order to prepare for a set of work-related projects and to keep up with the ongoing progress of front-end technologies. Coming from an Angular background, many terms here are familiar; as a result, it was easy to learn and interesting to compare the two tools.
This course is presented by Maximilian Schwarzmüller, the same awesome person from which I learned Angular. All problems tackled in the course can be found on my GitHub.

01/09/2019 – 01/10/2019
DEVOPS ESSENTIALS - CERTIFICATE OF COMPLETION – Udemy

I took this course in order to learn the core notion of what DevOps ecosystem means. It is presented by The Linux Academy.
After learning it, I prepared some CI/CD environments using docker and Jenkins.

08/08/2019 – 08/08/2019
AGILE PROJECT MANAGEMENT & SCRUM CERTIFICATION PREP - CERTIFICATE OF COMPLETION – Udemy

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. Throughout the courses, I learned about Scrum Theory, Scrum Team Roles, Scrum Events, Scrum Artifacts, Scrum of Scrums, with practical exercises and questions about real-world scenarios.

04/2019 – 07/2019
ANGULAR - THE COMPLETE GUIDE - CERTIFICATE OF COMPLETION – Udemy

I took this course after already working with Angular a few months, for rooting my knowledge on the subject.
This complete guide is presented by *Maximilian Schwarzmüller*. All problems tackled in the course can be found on my GitHub.

Based on this course, I then prepared a restructured & optimized set of classes that I presented, with additional explanations, to a set of juniors.

10/2014 – 07/2017 – Iasi, Romania
DEGREE IN COMPUTER SCIENCE – Faculty of Computer Science, "Alexandru Ioan Cuza" University

Status: *finished studies, 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:
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

09/2010 – 07/2014 – Vaslui, Romania
BACCALAUREATE DIPLOMA IN MATHEMATICS AND COMPUTER SCIENCE – „Ștefan Procopiu" High-School

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

EQF level 4

● PROJECTS

07/2020 – 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 / URL: Work

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

Details: K-Value is a web application that aggregates employee data from multiple sources and implements a feedback system for employees on multiple levels, 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 a lot of Office365 and Teams web integrations.
Client: Kirey Group
Role: tech leader, full-stack developer
Type/URL: Work / Private

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 / URL: Work / Private

10/2019 – 06/2020
Kaly

Details: Web application, written in Spring and Angular, for the management of a corporation's internal resources and workflows (e.g. employee management, timesheets, holidays, etc.). I helped reengineer it (from performance and code-quality standpoint) and further build of advanced modules.
Role: tech leader
Type/URL: Work / Private

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

Details: A web application that tries to integrate many existing movie engines (IMDb, Trakt, Taste) for creating awesome movie browsing and a one-place streaming experience. Includes many technology playgrounds, like ASP.NET Core, scraping and testing with Puppeteer, streaming from HTTP and P2P sources, integrating other existing apps with Electron, etc. Private project.
Role: product owner, tech leader, full-stack developer
Type / URL: Personal / Private

05/2018 – 08/2019
Risk Asset Manager

Details: Web application, re-engineered and optimized after an old Desktop one, with ASP.NET Core & Angular as main tech stack, which does banking workflows, algorithms and management of assets. Further details are private.
Client: *Intesa Sanpaolo*
Role: tech leader, full-stack developer
Type / URL: Work / Private

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. Private project.
Role: product owner, tech leader, full-stack developer
Type / URL: Personal / Private

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

Details: A smart web application, ASP.NET MVC & (*insert many FE libs here) of which sole purpose is the management of huge oil & gas project's construction and resources. Further details are private.
Client: Erbrand
Role: tech leader, full-stack developer
Type / URL: Work / Private

11/2016 – 08/2017
"Product Factory" - Banking Product Management

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

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

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

10/2015 – 06/2016
"Anti-fraud" - Fraud management system

Name:
Details: A smart web application, ASP.NET WebForms. Entered the project when it was in progress and developed different functionalities.
Client: Kirey
Role: full-stack developer
Type / URL: Work / Private

03/2016 – 02/2017
Fun Web / Solution1 - Node.JS / .NET based Learning Web Application

Details: Fun educational app for learning courses, gaining XP, and then competing in multiplayer Q&A competitions. Transformed afterward in assignment upload/grade management. Check Github for full details.
Role: full-stack developer
Type / URL: University / GitHub / GitHub

01/2016 – CURRENT
Technology Testing

Details: Small applications built for wanting to try out different technologies:
- **Change Notifier**: Desktop application built with Electron; run diffs on a webpage and sends you notifications when something changes
- **"Problem Solver"**: I take part in problem-solving websites related to programming. At the moment - CodinGame & Leetcode.
- **ID3 Helper**: small machine learning helper for the ID3 algorithm, based on web technologies and built with Cordova for mobile.
Role: developer
Type / URL: Personal / Change Notifier / CodinGame, LeetCode / [ID3](ID3)

OTHER SKILLS

Other skills

Robin Williams said in 'Dead Poets Society', I quote:
"*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.*"

That's why I count as skills my character traits that appreciate the following topics:
- Cinematography - I can appreciate a good movie and talk about its core concepts. I sometimes leave comments on IMDb and Taste.
- Photography - I am a beginner photographer with quite a few shooting and editing skills. Sometimes I participate in challenges on Gurushots and sometimes 500px.
- Coffee - I can ingest coffee and produce code
- Music - I can appreciate good music and a good pair of headphones or an audio system. I make interesting playlists on Youtube Music / Spotify.
- Reading - I have the ability to read books, my '*professional*' genres being fantasy, SF and the classics. I sometimes rate what I read on GoodReads.
- Money - if I get enough money, I can invest them in things that make my work quality prosper
- Humour - I have a high level of irony and sarcasm which can help anytime. And I've also won the international sarcasm contest from Ethiopia last year.

HONOURS AND AWARDS

Honours and awards

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.

Honours and awards

IT Marathon, 2014
- Participated alongside a friend in this contest, organized by AC Iași, in 2014
- The main goal of the contest was to build in a day (6-8 hours) a desktop LAN chat client
- Finished 3rd place.

Honours and awards

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.).
- 2011: Domain was Web / Microsoft Office / General Computer Knowledge. 1st place county level, Silver national level
- 2012: Domain was Web / Microsoft Office / General Computer Knowledge. 1st place county level, nothing national level
- 2014: Domain was C#. 2nd place county level.