Contact

marcela.florea02@gmail.com

Marcela-Florina Florea

Lead Software Engineer | Teaching assistant

Experience

Teaching assistant
Aurel Vlaicu University of Arad| 2026 - Present
Advanced programming languages, Software project management, Tools and programming environments

Teaching associate
Aurel Vlaicu University of Arad| 2021 - 2022 | 2022- 2023 | 2023- 2024| 2025
Advanced programming languages, Software project management, Tools and programming environments

Lead Software Engineer
Access Workspace Romania | 2026 - Present
Leading a team of developers and QAs working on a payments software product. Coordinating technical work, supporting the team in day-to-day development, and helping with design and implementation decisions.
Working closely with the team to improve product stability, development processes, and code quality, while also supporting the growth of team members and helping deliver new features.

Senior Software Engineer
Access Workspace Romaina | 2023 - 2026
Driving development of a cloud/mobile product, working with React, TypeScript, GraphQL, C#, .NET Core, Entity Framework Core, SQL Server, Microsoft Orleans, Akka.NET, Azure Functions, Key Vault, Storage, and App Service.
Working on new features and improvements focused on scalability, performance, customer onboarding, fraud detection and payment reconciliation. Also involved in mentoring junior developers and exploring AI tools and agents to automate internal workflows.

Software Developer
The Access Group | 2017 - 2023
Worked on on-premise accounting systems based on Omnis and SQL Server, mainly focused on maintenance, troubleshooting, and customer support.
Implemented fixes and small improvements based on customer needs, while investigating issues and helping keep the existing systems stable and reliable.

Teacher
Școala Gimnazială Avram Iancu Arad| 2016 - 2017
Mathematics and Computer Science

Teacher
Școala Gimnazială Caius Iacob Arad| 2016 - 2017
Computer Science

Teacher
Școala Gimnazială Aron Cotruș Arad| 2016 - 2017
Computer Science

Barman
Mimi SRL | August - September 2012

Skills

Personal

- Communication
- Flexible
- Solving problems
- Ownership
- Analytical
- Curiosity
- Resiliant
- Care
- Quick-to-act

Professional

- Design Patterns
- Agile Process
- Functional Programming
- Leadership
- Decision making
- Time management

Technologies

- **C#, .NET Framework, .NET Core, .NET, ASP.NET, MVC, Razor, React, TypeScript, JavaScript, HTML, CSS, Microsoft Orleans, Akka.NET, graphql, Rest API, Microsoft Azure, GitHub, Sql Server, Azure DevOps, JIRA, Agile methodology, Devin, Claude, Github Copilot**

Publications

Book
Monografia Satului Bodrogu-vechi
G. Damian, G. Rancu, M. Damian, D. Cheveresan | 2015
Editor

Conference
The 24th International Conference on Informatics in Economy (IE 2025)
Cătălin Raul Halic, Marcela Florea, Dominic Bucerzan, Crina Anina Bejan| 2026
Ethics of Artificial Intelligence in Business: Challenges, Applications and Pathways for Responsible Innovation

Article
International Symposium Research and Education in Inovation Era
M. Tomesu, M. Florea, A. Palcu | 2016
Fractals design with C#

Article
Theory and Applications of Mathematics and Computer Science
Marcela Florea | 2026
Convolutional Neural Networks for Cardiac MRI Analysis: An Overview

Education

Phd Studdent in Computer Science
The Polytechnic University of Timisoara, Timisoara | 2025 - Present

Master's degree
Aurel Vlaicu University, Arad | 2015 - 2017
Mathematical modeling in research and didactics

Bachelor's degree
Aurel Vlaicu University, Arad | 2012 - 2015
Faculty of Exact Science, Mathematics and Computer Science

Psihopedagogic module
Aurel Vlaicu University, Arad | 2012 - 2016
Level I and II

High school
Liceul Gheorghe Lazar, Pecica | 2008 - 2012
Matematics and Computer science

Projects

2025, May — **ERASMUS - STAFF MOBILITY**
Aurel Vlaicu University of Arad -IUM Academy School Napoli

Languages

- **English - B2**

Competences

- **Driving license Cat. B**

Volunteer work

FTC REGIONAL COMPETITION - ARAD
FTC Romania | 2024 - Present
Volunteer as a judge

Certificates

- **Aspiring Leaders program**
  ASCENDIS, 27 Ian 2025
- **ORACLE Certified Associate**
  Oracle Certified Associate, JAVA SE 7 Programmer, 2023