Details
federico.diluca95@gmail.com

61121, Pesaro (Italy)
+39 3388100625

Links
Personal website
LinkedIn
Github

Languages
Italian, English

Certificates
IELTS English 7.0 (C1)

Federico Di Luca
Technical Leader | .NET Development

Profile
Passionate .NET Development Technical Leader, graduated with honors in Electronic and Telecommunications Engineering from the University of Bologna. Experienced in leading backend development for Marketing and E-commerce projects, I drive innovation and excellence within the R&D team. Skilled in coding best practices and clean architecture principles, I thrive in dynamic teams and deliver high-quality, scalable solutions.

Employment History

.NET Web Development - Websolute
May 2021 - Present

Technical Leader
January 2024 - Present
Tasks | Lead backend development and templating for .NET web projects. Provide technical and consultative support to developers, ensuring high performance and quality. Define and implement innovative technical solutions, collaborate on presale projects, and adhere to security and GDPR guidelines. Manage project setups, versioning, deployments, and testing.
Key Contributions | Drive innovation, leadership, and high-level expertise within the RD team. Lead architectural design and implementation, ensuring scalable and robust solutions.

Backend Developer
May 2021 - December 2023
Tasks | Write well-designed, testable, efficient code. Integrate data from various back-end services and databases. Gather and refine specifications and requirements based on technical needs.
Main Technologies | C#, ASP.NET, .NET Core, Razor Pages, MVC, JavaScript, jQuery, Bootstrap, .NET Framework, SQL Server, SSMS, Visual Studio, VS Code, Postman, Swagger.
Others | Git, TFS, Docker, MongoDB, TypeScript, React, NextJs, Payload Cms, Azure, Modular Monolith, Microservices, DDD, RESTful APIs, CI/CD pipelines, DevOps.

.NET Automation Development - NGTEC
January 2020 - April 2021
Tasks | Definition of technical requirements, software development and testing, on-site and remote assistance. Good code practices, organisational skills, ability to work in teams and independently, direct contact with customers and focus on tailored solutions are also key.
Main Technologies | C#, .NET Framework, WPF, XAML, Git, SqlServer, MySql.

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Education

Electronic and Telecommunications Engineering, University of Bologna
September 2017 - December 2019
2-year Master's Degree (110 L / 110).
Thesis : "UWB Signals Analysis for Human Being Detection Based on Deep Learning Algorithms".

Biomedical Engineering, University of Bologna
September 2014 - July 2017
3-year Bachelor's Degree (109 / 110).
Thesis : "Software Development for the Posture Analysis through Dynamometric System acquired Data".

International Experience

Erasmus, Barcelona
September 2018 - February 2019
6-month Erasmus experience at the Universitat Polytècnica de Catalunya during my Master's Degree in Electronic Engineering.

Publications

Human Being Detection from UWB NLOS Signals: Accuracy and Generality of Advanced Machine Learning Models
Gianluca Moro, Federico Di Luca, Davide Dardari, Giacomo Frisoni
February 2022
Journal and Editor: Sensors, MDPI - Read the paper

Hard Skills

- *Programming Languages & Frameworks* : C#, .NET Core, .NET Framework, ASP.NET MVC, Blazor, JavaScript, TypeScript, Python
- *Databases* : SQL Server (SSMS), MySQL, MongoDB
- *Tools & Platforms* : Visual Studio, VS Code, Docker, Postman, Swagger, Git, TFS
- *DevOps* : CI/CD pipelines, Azure, IIS Server
- *Testing* : XUnit, NUnit, Moq
- *Fronted* : HTML, CSS, JavaScript, jQuery, Bootstrap, Razor Pages, React, Next.js
- *Others* : Spectre Console, Microsoft Identity, Hangfire, Coravel, ADO.NET, Entity Framework, MATLAB

Soft Skills

- *Leadership* : Guided and supported the development team to ensure high performance and quality.
- *Communication* : Effectively communicated with internal teams and clients for requirement gathering and project definition.
- *Time Management* : Efficiently planned and managed weekly activities, adhering to deadlines and budgets.
- *Problem Solving* : Analyzed and resolved complex technical issues, improving project performance and quality.