

Giovanni Costagliola

PRINCIPAL SOFTWARE ARCHITECT



About Me

I design and develop enterprise applications with focus on design quality and long-term maintainability. I apply Domain-Driven Design, Event Sourcing, and Clean Architecture in complex contexts. Currently leading agentic AI integration for development workflows while defining Documentation as Code practices for product governance.

Contact

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Technical Skills

Languages & Platforms

C# / .NET



Azure



TypeScript



Python



SQL Server

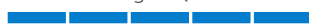


Architecture

DDD



Event Sourcing / CQRS



Microservices



Clean Architecture



INTRODUCTION

I am a Principal Architect focused on design and development of enterprise applications. I am actively involved in architectural design, defining guidelines, and providing strategic governance. I value coaching and mentorship and prefer direct involvement in creative and delivery phases.

I work primarily within the Azure/.NET ecosystem, applying Domain-Driven Design, Event Sourcing, and Clean Architecture in complex contexts. I contribute to open-source projects and I am currently involved in agentic transformation initiatives for software development processes.

I am seeking a product-oriented role with a long-term perspective, where technical decisions are treated as strategic choices.

PROFESSIONAL EXPERIENCE

2023 - Present **Principal Architect / Head of Enterprise Architecture**

NEXUS ADVANCED TECHNOLOGIES

📍 MILAN, ITALY

- Lead enterprise architecture practice across .NET/Azure and DDD-based systems
- Architected 50+ enterprise platforms spanning CPQ, ERP, CRM, and integration domains
- Built e-commerce platform for car-sharing integrating Salesforce, Marketing Cloud, Zuora, and proprietary billing
- Led architecture for multi-service API platform serving global paint manufacturer
- Leading Agentic AI integration initiative for enterprise development workflows
- Established architectural standards adopted across engineering teams

2017 - 2022 **Solution Architect / IT Service Design Lead**

NEXUS ADVANCED TECHNOLOGIES

📍 MILAN, ITALY

- Owned design authority for new services, producing architecture documentation and guiding teams
- Designed integration architectures connecting enterprise platforms with custom backends
- Introduced Domain-Driven Design practices to engineering teams
- Mentored developers on software design patterns and clean architecture

2004 - 2016 **Technical Manager / Project Lead**

NEXUS ADVANCED TECHNOLOGIES

📍 MILAN, ITALY

- Progressed from hands-on development through team leadership to project delivery
- Delivered projects using PMI/Agile methodologies within budget and scope
- Led internal development team and infrastructure management
- Architected solutions across diverse problem domains

2001 - 2003 **Architect**

BANCA MEDIOLANUM

📍 MILAN, ITALY

- Conducted architecture and code reviews across multiple development teams
- Provided technical mentoring to development teams
- Designed banking applications integrating mainframe and distributed systems

1999 - 2000 **Founder, CTO**

7DIGITS

📍 NAPLES, ITALY

- Co-founded web development startup during the early internet era
- Led technical decisions and architecture for client projects
- Developed e-commerce and content management solutions

1995 - 1998 **Software Developer / IT Consultant**

FREELANCE

📍 NAPLES / MILAN, ITALY

- Provided software development and IT consulting services
- Consulting and training activities at research and military institutions
- Built custom business applications for various clients

Practices

Technical Leadership

Agile / PMI

CI/CD

Languages

Italian

English

NOTABLE PROJECTS

2019 - Present **Bogoware.Monads**

OPEN SOURCE

[NUGET.ORG/PACKAGES/BOGOWARE.MONADS](https://nuget.org/packages/Bogoware.Monads)

Functional error handling for C# with Result and Maybe monads. 18,200+ NuGet downloads, actively used in production systems.

2020 - Present **Bogoware.Moneta**

OPEN SOURCE

[NUGET.ORG/PACKAGES/BOGOWARE.MONETA](https://nuget.org/packages/Bogoware.Moneta)

Safe monetary calculations library enforcing the Monetary Value Conservation Principle. DDD-aligned value object implementation.

2024 - Present **Product Catalogue System**

ENTERPRISE PROJECT

Cloud-native DDD catalogue managing 800K+ color formulations. Azure Cosmos DB with custom distributed locking, ETL pipeline, QuestPDF reporting.

2023 - 2024 **Digital Platform Backend**

ENTERPRISE PROJECT

Multi-service API foundation for global paint manufacturer. Token service, core API, and mobile API with mixed SQL Server/MongoDB persistence.

2019 - 2020 **Car-Sharing E-Commerce Platform**

ENTERPRISE PROJECT

Unified customer journey across 4 enterprise systems. Event-driven architecture integrating CRM, marketing automation, billing, and inventory.

EDUCATION

Computer Science Studies

UNIVERSITY OF MILAN

[MILAN, ITALY](#)

Average grade: 30/30 cum laude

Physics Studies

UNIVERSITY OF NAPLES FEDERICO II

[NAPLES, ITALY](#)

Average grade: 30+/30

CERTIFICATIONS

2020 - 2026 **Project Management Professional (PMP)**

PROJECT MANAGEMENT INSTITUTE (PMI)

Credential ID: 2912063

2018 **TOGAF 9 Certified**

THE OPEN GROUP

2021 **Microsoft Certified: Azure Fundamentals (AZ-900)**

MICROSOFT

2016 **Machine Learning**

COURSERA - STANFORD UNIVERSITY

2015 **Data Science Specialization**

COURSERA - JOHNS HOPKINS UNIVERSITY

2014 **Functional Programming Principles in Scala**

COURSERA - EPFL

PUBLICATIONS

2025 **Building Adaptive Systems**

MANNING PUBLICATIONS

[TECHNICAL REVIEWER](#)

Technical review of guide to building systems that adapt to changing requirements and environments.

2023 **Elasticsearch in Action, 2nd Edition**

MANNING PUBLICATIONS

[TECHNICAL REVIEWER](#)

Technical review of comprehensive guide to Elasticsearch covering search, analytics, and data management.

[MrBogomips](#)

[giovannicostagliola](#)