Luca Milan

Technology Innovator, Public Speaker and Strategic Leader in Software Engineering

⚲ **Location**: Piacenza, Italy
🎂 **Date of Birth**: 13/11/1970
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📇 Professional Profile

Technology leader with over 25 years of experience driving digital transformations and software innovations. Combining deep technical expertise with strong strategic vision, I guide teams towards operational excellence and technological innovation. Expert in making critical decisions on software architectures, technology stacks, and implementation strategies that align technology with business objectives.

🔑 Key Technology Leadership Competencies

- Defining and implementing strategic technology roadmaps
- Managing technology portfolios and optimizing IT investments
- Leading digital transformation initiatives and application modernization
- Implementing Agile and DevOps methodologies at an organizational level
- Architecting distributed systems and scalable cloud-native solutions
- Process automation and CI/CD/CT pipeline optimization
- Managing multidisciplinary and multicultural technical teams
- Observability: Monitoring, Logging and Alerting best practices and platforms

</> Advanced Technical Skills

- Architectures: Microservices, Event-Driven, Serverless, Domain-Driven Design, Rest, SOA
- Cloud & Containerization: AWS, Azure, Google Cloud, Docker, Kubernetes
- DevOps & Automation: GitLab CI, Ansible, Terraform, Azure DevOps Pipeline, Github Actions
- Languages: C#, Java, Python, JavaScript/TypeScript
- Frontend: React, Angular, Vue.js
- Backend: .NET Core, Spring Boot, Node.js
- Databases: SQL Server, PostgreSQL, MongoDB, Cassandra, Redis, ElasticSearch
- Messaging & Streaming: Kafka, RabbitMQ, Apache Pulsar
- AI & Machine Learning: TensorFlow, PyTorch, scikit-learn, pandas
- Open Source Software Adoption
- Advance ETL and Data Platform, Modern Data Stack, Data Lakes, Data Warehouse
- Observability: Grafana, Loki, InfluxDb, Graylog

📑 Professional Experience

🏢 Selecta S.p.A. (part of Datlas Group)

🔒 Head of DevOps, Automation and Process Improvement
August 2023 - Present | Milan, Lombardy, Italy

- Defined and implemented an enterprise-wide DevOps strategy, significantly reducing time-to-market for new features
- Led the adoption of Infrastructure as Code and Continuous Deployment practices, substantially increasing release frequency
- Implemented an automation framework that notably reduced operational costs and improved software quality
- Implemented analytics and KPI approaches across all teams and domains.

🔒 Head of Digital, Architectures, Innovation and Delivery
June 2022 - September 2023 | Milan, Lombardy, Italy

- Orchestrated the company's digital transformation, defining the technological architecture to support future growth
- Led the adoption of microservices and event-driven architectures, improving scalability and resilience of core systems
- Implemented an API-first strategy, opening new business opportunities and boosting revenue from third-party integrations
- Adapted "team topology" to better address challenges and delivery strategies

🏢 OT Consulting

🔒 Software Development Lead
January 2021 - June 2022 | Reggio Emilia, Emilia-Romagna, Italy

- Designed and implemented cutting-edge security solutions for critical banking systems
- Led the adoption of DevSecOps practices, integrating security into the software development lifecycle
- Mentored development teams on coding best practices (DevOps, Automation and Monitoring) and modern software architectures (Microservice and Kubernetes adoption)

🏢 myInvenio (an IBM Company)

🔒 Head of Innovation
May 2020 - December 2020 | Reggio Emilia, Emilia-Romagna, Italy

- Pioneered the integration of RPA and AI technologies in business processes, leading to substantial improvements in operational efficiency
- Led the development of Task Mining platform, now an integral part of IBM's offering

🏢 YOOX NET-A-PORTER GROUP

🔒 Manager of Fulfilment Automation Engineering Team
October 2018 - May 2020 | Milan Area, Italy

- Architected and implemented end-to-end automation solutions for fulfillment, significantly reducing order processing times
- Led the adoption of Kubernetes for container orchestration, improving scalability and achieving considerable reduction in infrastructure costs

🏭 Manager of Special Projects Team

October 2016 - September 2018 | Milan Area, Italy

- Directed the development of innovative cloud-native solutions, including a real-time personalization platform that notably increased conversions
- Implemented a Feature Toggling and A/B Testing strategy, enabling more frequent and safer releases

🏭 Tools Domain Manager

October 2014 - September 2016 | Milan, Italy

- Led the modernization of the internal application portfolio, migrating from monolithic applications to microservices
- Implemented Continuous Integration and Delivery practices, achieving substantial reduction in time-to-market for new features

🏢 Mahiz Srl

👔 Co-Founder

January 2014 - October 2014 | Piacenza, Italy

- Founded an IT consulting firm specializing in the development of secure, reliable, and scalable software solutions
- Managed the entire software development lifecycle, from requirements gathering to design, implementation, testing, and release
- Developed leadership and management skills by overseeing teams of developers and external collaborators

👔 Founder

November 2012 - October 2014 | Piacenza, Italy

- Led the company in developing web applications for business clients
- Coordinated the development of high-quality software solutions to meet client needs

🏢 Self-Employed with VAT number

🏭 Independent Software Developer & Consultant

January 1998 - October 2012 | Piacenza, Italy

- Designed and developed multi-tier applications and system integration solutions
- Managed complex projects by defining scope, timelines, quality, and resources
- Collaborated with clients to define requirements and provided training for personnel
- Expert in Agile and Kanban methodologies, with proficiency in technologies such as C#, Javascript, AngularJS, SignalR, RabbitMQ, ASP.NET MVC, MongoDB, SQL Server, and REST APIs
- Designed and delivered high-quality software products, ensuring alignment with business objectives

- Developed software solutions in the banking sector using technologies such as .NET 2.0/3.5, WCF, C#, JQuery, CSS, and SQL Server
- Managed project releases and dependencies, ensuring the final product met high standards of quality

🏛 Step SpA

👷 **Software Developer**
October 2003 - April 2004 | Piacenza, Italy

- Developed software solutions using ASP, Visual Basic, XML, Javascript, HTML, and SQL Server
- Collaborated with project teams to plan and deliver business applications

🏛 Sysproject Reply Srl

👷 **Software Developer**
June 2002 - September 2003 | Milan, Italy

- Developed solutions and web services using Active Server Pages, Visual Basic, XML, XSLT, Javascript, and SQL Server

🏛IL MIO WEB S.P.A

👷 **Software Developer**
October 2000 - June 2002 | Milan, Italy

- Developed applications and web services using ASP, Visual Basic, XML, Javascript, T-SQL, and SQL Server

🎓 Education

- Piacenza, Università Cattolica del Sacro Cuore: Scienze Agrarie (1990 - 1995)
- Piacenza, ITAS - Raineri (1985 - 1989)

🏅 Certifications

- dlt Advanced ELT Specialist - 2024
  https://github.com/dlt-hub/dlt-certificates/blob/main/certificates/technical_certification/83bf626dc62b6492a5f78f8545506ff8fd69d7f58f2517d90e632cf2cf87f752.md
- Process Mining: Data science in Action - 2020
  https://www.coursera.org/account/accomplishments/certificate/AD5DC5VQHJSW
- IBM Cloud Core, App Modernization, Reactive Microservices, Kubernetes, Data Science - 2021/2022
- Microsoft MCP 2.0, Microsoft Certified Application Developer - 2002/2003

🌍 Languages

Italian (Native), English (Professional Working Proficiency)

🗣 Talks

- Enhancing Software Release Reliability by Integrating End-to-End Testing into DevOps Flows (EN)

- Elevare l'affidabilità nel rilascio del software integrando i Test End-to-End nei flussi DevOps (IT)
- Strategic Guide for Devs in Building an Application Platform with Net Aspire and Dapr (EN)
- Guida Strategica per i Devs nella creazione di una Piattaforma Applicativa con Net Aspire e Dapr (IT)
- Orchestrare Modelli di Linguaggio Avanzati con Semantic Kernel e C# (IT)
- Creare una Development Platform con Backstage in modalità DevOps (IT)
- Continuous Deployment su Azure di Modelli Predittivi creati con ML.NET (IT)
- Information Flow Processing con Dapr in salsa CQRS (EN)
- Development and Deployment of Microservices with Microsoft Tye (EN)
- Da DevOps a MLOps con Azure e Github (IT)
- Enabling DevOps for Machine Learning with Azure Pipelines (IT)
- DevOps potenziato dall'IA: Ottimizza l'efficienza con suggerimenti intelligenti (IT)
- Da Crud a Realtime Event-Driven con il pattern "Change Data Capture" (IT)
- Approcci DevOps per il rilascio continuo di Modelli di Machine Learning su Azure (IT)

🎪 Events (Online, in-presence)

- Come To Code, Settembre 2024 - Pignola Potenza, Italy
- Codice Futuro, Settembre 2024 - Officine Credem, Reggio Emilia, Italy
- DevOpsHeroes 2022 - Parma, Italy
- Cloudgen 2021
- Virtual Global Azure - Verona 2021
- A.I. Day 2021
- DevOps@Work 2020 - Rome, Italy
- DevOpsHeroes 2019 - Parma, Italy
- Test-driven FaaS with Docker @ weDev seminars - Pavia, Italy
- Serverless framework for "Azure Functions" @ Developer Zone Talk - Bologna, Italy
- AngularJS Day 2014 - Ancona, Italy
- Microsoft Developer Camp 2012 - Bologna, Italy

📻 Podcast (Youtube)

- DevOps Time - Aumentare la fiducia nei rilasci con i test E2E > https://www.ugidotnet.org/tv/episodio/3493/Aumentare-la-fiducia-nei-rilasci-con-i-test-E2E/Aumentare-la-fiducia-nei-rilasci-con-i-test-E2E

- DevOps verso Platform Engineering (cosa, come, quando e perché) > https://www.ugidotnet.org/tv/episodio/3080/DevOps-verso-Platform-Engineering-cosa-come-quando-e-perche/DevOps-verso-Platform-Engineering-cosa-come-quando-e-perche