Lorenzo Verna

Personal Data

DATE OF BIRTH

ADDRESS:

PHONE:

EMAIL:

Summary

As a seasoned technology executive with over 20 years of experience, I specialize in leading software engineering and product management initiatives at the C-suite level. My career encompasses founding and steering startups, serving as CTO, and providing strategic advisory services to enterprises aiming to harness transformative AI technologies.

My expertise lies in the ideation and development of software solutions, building and leading high-performing R&D teams, and managing enterprise-level clients and investments. I have a proven track record in designing MVPs, integrating AI capabilities into digital products, and formulating comprehensive technology strategies that align with organizational goals.

With a strong focus on large language models and AI-driven products, I am dedicated to advancing the frontiers of generative AI and machine learning. As a trainer and public speaker, I share insights on generative AI, provide hands-on training, and empower organizations to effectively integrate AI into their operations. My academic involvement includes contributing to research projects in digital humanities and document science, reflecting my commitment to exploring the latest advancements in AI.

My mission is to leverage technology to create value, drive user satisfaction, and push the boundaries of what's possible in the rapidly evolving landscape of AI and software engineering.

Career Summary

2023 – present	**Chief Technology Officer (CTO)** @ Twiper.ai As CTO at Twiper, I lead the development of cutting-edge technology solutions, driving the company's vision in the B2B market with our advanced Generative AI platform. My role involves steering strategic initiatives, overseeing product

development, and ensuring the seamless integration of AI-driven innovations. With a focus on delivering transformative solutions, I work closely with cross-functional teams to enhance our technological capabilities and business offerings, positioning Twiper as a leader in the AI landscape.

2024 – present	**Head of Artificial Intelligence** @ Synesthesia Lead AI strategy with a focus on generative AI and large language models (LLMs), advancing Synesthesia's capabilities in innovative AI solutions for clients. Oversee end-to-end development of LLM-powered applications to streamline client workflows, enhance customer experiences, and automate critical processes. Manage a team of data scientists, guiding projects from NLP and conversational AI to predictive analytics. Design and deliver training for both clients and internal teams on effective use of LLMs and generative AI. Foster strategic partnerships to keep Synesthesia at the forefront of AI advancements.
2023 – 2024	**Chief Technology Officer (CTO)** @ Muffin As CTO at Muffin, I led the technological vision for a digital product revolutionizing grant management. I directed a team of seven engineers, fostering innovation and collaboration, and worked closely with the CEO and CPO to optimize budgeting and execute the product roadmap. Responsible for the end-to-end development lifecycle, I ensured the delivery of high-quality solutions that met business objectives. I introduced AI and large language models (LLMs) to enhance product usability and maintain Muffin's position at the forefront of grant management technology.
2021 – 2023	**Engineering Manager** @ Facile.it Serving as a Software Engineering Manager at Facile.it, I have the privilege of overseeing multiple skilled teams, team leaders, and tech leaders, fostering an environment of growth and innovation. My role is directly tied to the office of the CTO, and together we shape the technical direction of our enterprise. My primary responsibilities include defining and executing our product roadmap and IT strategies, always aligning technical vision with our business goals. I am deeply involved in the product development lifecycle, ensuring that our software solutions are not only innovative but also robust and reliable.
2018 – 2021	**CTO** @ MiaCar (acquired) *Automotive e-commerce platform* As the CTO at MiaCar.it, an innovator in the eCommerce and automotive sector, I spearhead our technology vision and product development. My role is multifaceted, from defining products roadmaps and building

high-performing software and data teams, to ensuring product readiness and delivery on time and on quality.

I actively collaborate with our CEO in determining company roadmaps and budgetary plans, ensuring alignment between our business objectives and our tech capabilities. I also manage relationships with tech providers, building strategic partnerships to augment our capabilities and drive innovation.

2012 - 2018   **Founder, Chief Data Scientist, CEO** @ Tykli srl   (acquired)
Software vendor, AI and Semantic Search

As the CEO and Co-founder of Tykli, an award-winning technology startup, I've been at the forefront of designing and delivering advanced analytics solutions powered by our unique, in-house developed machine learning and complex network analysis algorithms.

From ideating and building our product MVP to founding the company, my journey with Tykli has been both challenging and fulfilling. I had the privilege of assembling and leading our dedicated R&D team, whose hard work and innovative thinking is at the heart of our success.

In my role, I wear many hats. From shaping our strategic vision to overseeing our go-to-market efforts, my primary focus has always been to drive growth and establish Tykli as a leader in our field. This includes securing and managing investment, acting as the company spokesperson, and maintaining strong relationships with our enterprise customers.

2007 - 2011   **Partner and CTO** @ Emerasoft srl (acquired)
IT Services and Solutions for Application Lifecycle Management

- Built the ALM business unit.
- Directly involved in pre-sales, consultancies, and training activities.
- Managed the professional service team.
- Technical Account Manager for top customers, including: Telecom Italia spa, Selex Communications, FCA, Lombardia Informatica, Vodafone.

2006 - 2007   **Co-founder** @ Subversion Italia
Leading Open Source Version Control System.

Helped (with training, support services, assessment and migration plans) a lot of multinational companies to successfully adopt Subversion, the leading Open Source Version control system.

2004 - 2006   **Senior Consultant, Product Specialist** @ Stratos srl
IT Services and tools for Enterprise Document Management

Joined an exceptionally skilled team of senior consultants in Information retrieval and Enterprise Document Management.

Directly delivered solutions (mainly developed in J2EE) for Italian enterprises including:
Esselunga spa, BPER Banca S.p.A., ENEL s.p.a, Banca Intesa SanPaolo, Publitalia spa

1997-2004 **CTO** @ Domino srl [http://domino.it]
Web Agency

Great experience in a competitive web agency. During the seven years spent in Domino I had the opportunity to play many roles: DBA on Informix OR-dbms, System Admin on multiplatform web servers, Web developer, team leader, project manager, program manager, head of R&D, CTO.

Publications

- La Gorga Angelo, Verna Lorenzo, *Dati, oggetti, utenti: come riassemblare l'universo bibliografico*, in *Un incontro di sguardi: biblioteche, libri e lettura come nodi di un reticolo di possibilità creative e generative: scritti in onore di Maurizio Vivarelli*, a cura di Sara Dinotola e Anna Maria Marras, Roma, Associazione italiana biblioteche, 2024, p. 325-332.
- VERNA, Lorenzo.
  È iniziata l'era dell'intelligenza artificiale. Biblioteche Oggi, Vol. 41, N. 3, 2023.
  DOI: http://dx.doi.org/10.3302/0392-8586-202303-004-1

- Faggiolani Chiara, Verna Lorenzo, Vivarelli Maurizio
  La Rete della poesia italiana. Applicazioni di network science, in Laura Pugno, *Mappa immaginaria della poesia italiana contemporanea*, Milano, Il Saggiatore, 2021, p. 155-192.
- *Perspectivas del análisis de datos*, in *Las redes de la lectura: análisis, modelos y pràcticas de lectura social*, Chiara Faggiolan, Maurizio Vivarelli (eds.), Gijón, Ediciones Trea, 2019, p. 177-184.
- Curatela di *Social Reading and the Role of Data in Improving Reading Experiences* (special issue). Guest editors Gianni Corino, Chiara Faggiolani, Lorenzo Verna, "DigitCult. Scientific Journal on Digital Cultures" , vol. 3, 2018, https://digitcult.lim.di.unimi.it/index.php/dc/issue/view/digitcult-2018-3-2.
- FAGGIOLANI, Chiara; VERNA, Lorenzo; VIVARELLI, Maurizio.
  The Publishers Network. Text-mining and network analysis models based on aNobii dataset.
  DigitCult - Scientific Journal on Digital Cultures, [S.l.], v. 3, n. 2, p. 1-18, sep. 2018. ISSN 2531-5994. doi: https://doi.org/10.4399/97888255181531.
- FAGGIOLANI, Chiara; VERNA, Lorenzo; VIVARELLI, Maurizio.
  Text mining and network science to analyze the complexity of reading. Principles, methods, application experiences. JLIS.it, [S.l.], v. 8, n. 3, p. 115-136, sep. 2017. ISSN 2038-1026. https://dx.doi.org/10.4403/jlis.it-12414.
- Lorenzo Verna, *Prospettive di analisi dei dati, in Le reti della lettura. Tracce, modelli, pratiche del social reading*, a cura di Chiara Faggiolani e Maurizio Vivarelli, Milano, Bibliografica, 2016, p. 219-229.
- Lorenzo Verna, *La lettura sul lettino: primi tentativi di data analysis, in Le reti della lettura. Tracce, modelli, pratiche del social reading*, a cura di Chiara Faggiolani e Maurizio Vivarelli, Milano, Bibliografica, 2016, p. 231-259.

Education

2018   Università degli Studi di Genova
            Deep Learning
            DeepLearn-2018, International Summer School organized by
            IRDTA.eu

2012-2024   Coursera (www.coursera.org)
            Computer Science courses: Natural Language Processing; Model
            Thinking; Software Engineering for Software as a Service; Applied
            Machine Learning in Python; Generative AI, Building and Evaluating
            Advanced RAG, Retrieval Optimization: From Tokenization to Vector
            Quantization

1994-2003   Master's degree in Computer Science.
            Facoltà di Scienze MFN, Università degli Studi di Torino.
            Thesis: Semantic Web Services matchmaking and orchestration.

Torino, 08/11/2024