

Lorenzo Vangi



CV Founder & CEO @ Converging Technologies | Business Transformation Lead
Software Architect | Software Developer | Dev Manager

We turn innovation into a competitive advantage by carving out new technology markets.

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PROFILE

Software Architect and entrepreneur with 8+ years of experience in enterprise systems, quantitative trading platforms, and business process transformation. Founder of Converging Technologies, a tech boutique delivering end-to-end software engineering and strategic consulting. Deep expertise in Java, C++, and distributed systems architecture, with a proven track record in high-frequency trading, digital twin solutions for manufacturing, clean code practices, and cross-functional team leadership.

PROFESSIONAL EXPERIENCE

2025 — Present	CEO & Founder — Converging Technologies S.r.l. · Livorno (Italy) Founded and lead a boutique technology consulting company delivering enterprise software engineering, quantitative trading systems, digital twin solutions, and digital transformation. End-to-end delivery from architecture design to production. Strategic partnerships with industrial performance consulting firms for supply chain and manufacturing digitalization.
2024 — 2025	Software Architect — airony.ai · Freelance · Remote Designed and implemented architecture for inventory optimization models utilizing decision intelligence techniques. Full ownership of system design, technology selection, and implementation strategy.
2022 — 2023	Maintenance Coordinator — ION Group — Aphelion · Pisa (Italy) Cross-functional leadership role coordinating the maintenance team, interfacing with customer support and technical account managers. Drove workflow improvements across the Aphelion FX product suite.
2021 — 2023	Software Developer (FX) — ION Group — Aphelion · Pisa (Italy) Technical reference for the Aphelion FX Team. Managed top-priority deliverables under customer pressure. Strategic involvement in product evolution, feature analysis, and growth strategy alignment.
2020 — 2021	Product Developer — Trading Tools — ION Group · Pisa (Italy) / Delhi (India) Multi-located team focused on algorithmic trading solutions and market depth aggregation for FX markets. Designed and built low-latency data processing components.
2019 — 2020	Automation Engineer / App Developer — ION Group — LDP · Pisa (Italy) DevOps role improving FX team efficiency through automation. Contributed to the reengineering of the WSS FX Product, focused on position and risk management within the FX Scrum Team.
2016 — 2019	Software Development Engineer — Rifra S.r.l. · Livorno (Italy) Full-stack development of financial software solutions. Built foundational expertise in enterprise Java development and system integration for the finance sector.

WHAT SETS ME APART

- 5+ years of hands-on experience with the ION platform, the industry-leading middleware for capital markets and trading infrastructure.
- Founder of 'The Converging Line' — technical blog on Medium covering software architecture, team culture, and design patterns.
- Attendee at Italian Tech Week (Turin), Codemotion Milan, and other European tech conferences.
- Strategic partnerships with industrial consulting firms for digital transformation across supply chain and manufacturing.
- Active contributor to developer community discussions on AI-assisted development, Claude Code, and coding best practices.

CORE COMPETENCIES

Object-Oriented Design	● ● ● ● ●	Team Leadership	● ● ● ● ●
Clean Architecture	● ● ● ● ●	Project Management	● ● ● ● ●
Domain-Driven Design	● ● ● ● ●	Agile / Scrum	● ● ● ● ●
Test-Driven Development	● ● ● ● ●	DevOps & CI/CD	● ● ● ● ●
Microservices Architecture	● ● ● ● ●	Technical Writing	● ● ● ● ●
System Design	● ● ● ● ●	Client Management	● ● ● ● ●

TECHNOLOGY STACK

Languages	Java (primary), C++, Python, Julia, Bash, SQL
Frameworks	Spring, Vert.x, Vaadin, React, QuickFIX/J, JUnit
Architecture	Microservices, Event-Driven, REST APIs, JNI/FFI, FIX Protocol
Infrastructure	Docker, Kubernetes, Linux, AWS (S3), Jenkins, TeamCity, Git
Data & Storage	MongoDB, PostgreSQL, Oracle, Power BI, Pandas, ERP Integration
Practices	TDD,DDD, Pair Programming, Code Review, Clean Code

EDUCATION

B.Sc. in Computer Science — Università di Pisa, Department of Computer Science

LICENSES & CERTIFICATIONS

Software Architecture

Breaking a Monolith into Microservices	LinkedIn
From Developer to Architect	LinkedIn
Software Architecture: Domain-Driven Design	LinkedIn
Microservices: Designing Highly Scalable Systems	Udemy

Clean Code & Test-Driven Development

Practical Test-Driven Development for Java Programmers	LinkedIn
Java: Testing with JUnit	LinkedIn
Java: Practice Unit Testing	LinkedIn
Java Refactoring Best Practices	LinkedIn

Performance Optimization & Tuning

Java Memory Management: GC, JVM Tuning & Memory Leaks	LinkedIn
Java Design Patterns	LinkedIn
Tech on the Go: Owning Legacy Software	LinkedIn

Automation & Orchestration

Advanced Kubernetes	LinkedIn
Learning Kubernetes	LinkedIn
Kubernetes: Microservices	LinkedIn
Kubernetes: Native Tools	LinkedIn
Kubernetes: Cloud Native Ecosystem	LinkedIn

Agile

UX Workshop — DDD Approach	ION
Agile Foundations	PMI / IIBA
Agile Software Development: Legacy Code & Technical Debt	LinkedIn

Full list available on [LinkedIn](#)

LANGUAGES

Italian	Native
English	Professional (C1)

SELECTED PROJECTS

HF Quantitative Bond Market Trading Platform

Financial Services

Java | C++ | Julia | ION | FIX | JNI

E2E design and development of an HFT microservices system (50+ components) interacting through ION bus middleware. Java/C++/Julia integration, FIX protocol connectivity, and sub-millisecond execution latency.

Industrial Testing Management (Collaudi)

Manufacturing / Quality Assurance

Java | Spring | React | Maven | Postgres | AWS

Full ERP-integrated web application for managing industrial testing workflows across suppliers, clients, and testing agencies. State-machine workflows with S3 document management.

Supply Chain Inventory Optimization

Manufacturing / Retail Supply Chain

Python | Jenkins | RabbitMQ | NIFI | Oracle Cloud

Decision intelligence platform combining ML demand forecasting, stochastic modeling, and constraint-based optimization. Multi-echelon inventory planning with scenario simulation and measurable reduction of stock-outs.