

FRANCESCO LERRO

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PROFILE SUMMARY

15+ years of experience delivering innovative solutions with impact on million users (in finance, fashion and travel sectors). "Design well architected software with the customer in mind" is my motto. My skills include tech leadership, new services activation, cloud computing. I am a certified AWS Solution Architect, a speaker at tech events, a community events organizer. I love CLIs and buffalo mozzarella.

WORK EXPERIENCE

LEITHÀ - GRUPPO UNIPOL Solution Architect Mar 2018 - Present | Milan, Italy

- Participated in several innovation efforts, heavily contributing to insurance processes transformation and new services activation
- Lead the architecture design of a real-time anti-fraud system, allowing huge savings on renewal (~1 mil. eur/year, stack: Spring, Camel, Openshift)
- Developed location based PoCs to test new business opportunities on 4 mil. customers (real-time event flow of 150 mil. events/day, stack: Kafka, Java)
- Generated 30% cost saving on insurance claims, enabling automated claim opening flow on crash detection (Java, Quarkus, Docker)
- Released several critical applications with serverless components on AWS
- Usually involved in performance troubleshooting and architectural reviews for JVM applications (e.g. solved concurrency and memory leak issues in a insurance pricing component handling ~300 req/min)

PACKT PUBLISHING Technical Author Nov 2017 - Present | Milan, Italy

- Published training video course (in English), describing common patterns for serverless applications design (AWS, Node.js)
- Reviewed material for other cloud related courses (AWS, Node.js)

EUCLIDEA SIM S.P.A. CTO Jan 2016 - Sept 2017 | Milan, Italy

- Activated an innovative B2C wealth management service, building a custom portfolio management platform for Fund/ETF (Python, Java)
- Managed the tech team, establishing sane development life-cycle processes, enabling collaboration and removing obstacles (CI/CD, GIT Flow)
- Provisioned and evolved a highly available infrastructure on AWS, finding ways to operate in a very constrained business for compliance and security

PRADA S.P.A. Solution Architect Sept 2013 - Dec 2015 | Milan, Italy

- Streamlined travel and expense processes for APAC employees, delivering a new web-based software solution (6000+ people)
- Enabled collaboration between store employees and HQ marketing office, engineering core components of the Retail Portal (Java)
- Delivered a strategic web collaboration solution for the Engineering dept, reducing store openings time by 30-50% (Java/BPM)

ROUTE 66 S.R.L. CTO May 2011 - Apr 2013 | Milan, Italy

- Bootstrapped company e-commerce business, implementing a new on-line flight and hotel booking platform (Java, Spring, Groovy)
- Worked on critical customer oriented features (e.g. reduced by 86% time to first rendering for ~40k search results)
- Designed a tracking system to get insights on booking flow interactions, incrementing conversion by +0.5% (Node.js, MongoDB)

Other work experiences available at [linkedin.com/in/lerro/](https://www.linkedin.com/in/lerro/) 📄

Last Updated: 18/08/2021

EDUCATION

POLITECNICO DI TORINO

Master of Engineering in
Computer Science
Sept 2004 | Turin, Italy

TECHNICAL SKILLS

ARCHITECTURE DESIGN

Cloud • PaaS • IaaS • IaC
system integration • EIP
elasticity • high availability
SOAP • REST • BPM • UML

SOFTWARE DESIGN

OOP • AOP • concurrency
reactive programming
software design patterns

TECHNOLOGIES

Java • JavaScript • Python
Node.js • HTML/CSS

Docker • Openshift

PostgreSQL • MySQL
SQL Server • MongoDB

CERTIFICATIONS

AWS Solution Architect Assoc.
2018 | Certmetrics (AWS)

Spring Certified Professional
2010 | SpringSource

TALKS

Serverless arch. patterns 📄
2020 | AWS UG Torino

A serverless data pipeline for
insurance telematics 📄
2019 | Cineca, HPC Workshop

Lambda Layers FTW! 📄
2019 | Serverless on Stage #16

AWS ♥ SAM 📄
2018 | Serverless on Stage #9

Tecnologie Groovy 📄
2013 | JUG Milano