



No AI - 2024

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Professional Summary

Senior technology leader with 20+ years of experience in cloud architecture, AI-driven platforms, AdTech, video streaming, and large-scale distributed systems. Proven track record in designing and scaling high-availability, data- and AI-centric platforms, leading cross-functional teams with agile methodologies, and driving innovation in digital advertising and artificial intelligence. Strong background in software engineering, applied machine learning, multi-agent systems, and cloud-native architectures.

Professional Experience

Connected-Stories / CTO

Aug 2015 - Now, Rome

- Define and lead the company's technical vision, cloud architecture, and **mid/long-term R&D strategy**.
- Design and evolve scalable, cloud-native architectures and integrated systems.
- Led the design and implementation of an enterprise-grade **AI multi-agent system** based on **Agent-to-Agent (A2A) communication protocols** and **MCP servers**, enabling distributed reasoning, orchestration, and autonomous task execution.
- Deployed, managed, and scaled AI workloads on **Google Vertex AI**, ensuring reliability, security, and cost-efficient execution in production environments.
- Lead agile development teams, coordinating **roadmap planning** and feature prioritization.
- Oversee production deployments, release management, and operational stability.
- Review and validate source code, architecture decisions, and security practices.
- Support pre-sales and strategic sales meetings with technical leadership.
- Drive innovation to improve market competitiveness and product differentiation.
- Actively involved in IAB working groups contributing to industry

standards (VAST 4.x, SIMID, OTT, DigiTrust ID).

Key Clients & Projects:

AS Roma, Eagle Pictures, major AdTech and advertising networks (Google Ads, DV360, AdForm, Smartclip, Digitouch, Smart Media, The Trade Desk, Equativ).

Technology lead for advertising campaigns of global brands including Valentino, Sony, Land Rover, BMW, Audi, Swarovski, Benetton, Tiffany, Adidas, Mondadori.

HyperTv / Head of mobile research & development

September 2009 - August 2015, Rome

- Led R&D activities on mobile technologies with focus on audio/video fingerprinting and watermarking.
- Designed and developed native iOS and Android applications, managing full lifecycle and store publishing.
- Designed backend APIs and server-side architectures supporting mobile platforms.
- Conducted research on user experience and interaction design.

Collaborations:

Major broadcasters and streaming platforms including Sky, Mediaset, RAI, LA7, ABC, ESPN, Al Jazeera.

Accenture Technology Solutions / Technical consultant

October 2005 - September 2009, Rome

- Contributed to large-scale IPTV and telecom platforms for international clients.
- Roles included software design, development, integration, deployment, configuration management, and operational support.

Key Projects:

- British Telecom Albacom – Siebel-based infrastructure maintenance and monitoring.
- Telecom Italia – Alice Home TV (development and operations).
- Telekom Deutschland – Hansenet IPTV platform (development and operations).

Earlier Experience

Network Administrator, Stanley Bet Data Center – Fondi (LT), Italy (2004–2005)

IT Instructor, Dolphin S.r.l. – ECDL Courses (2003–2004) – Fondi (LT), Italy

Education

Session 2005: Technical stage at the Department of Computer science and Systems "Antonio Ruberti" of the Faculty of Engineering in University of Rome "La Sapienza", where I discussed the speeding up of the protocol stack ISO/OSI model.

Session 2004/2005: Degree in Computer science Engineering at the Faculty of Engineering in University of Rome "La Sapienza" with a thesis "Acceleration of distributed simulations through the redesign of the protocol stack."

Session 1999/2000: Graduation in Industrial Technical specialist in computer science at the Institute of industrial technology "A. Pacinotti" in Fondi (LT).

Additional Studies: Economics and Business Markets, curriculum "Directors, Control and Finance Companies" coursework, Roma Tre University.

Additional Studies: Statistics and Computer Science for Business Management coursework, Sapienza University of Rome.

Training & Certifications

- Cisco ICDN I & II – Network Overview
- Software Engineering Fundamentals (Java)
- Java Web Services & J2EE Architecture
- Application Testing & Quality Process Improvement
- C Network Programming under Unix
- SQL & Oracle PL/SQL
- Fundamentals of Deep Learning

Technical Skills

Cloud & Data Platforms

- **AWS:** EC2, ECS, Fargate, S3, IAM, DynamoDB, Redshift, MediaConvert, Athena, Lambda, EMR, SageMaker and more.
- **Google Cloud Platform:** Compute Engine, Cloud Run, Pub/Sub, App Engine, BigQuery, Cloud SQL, Dataflow, Memorystore, Identity Platform, Vertex AI and more.

Artificial Intelligence & Machine Learning

- Multi-agent systems architecture (A2A protocols, MCP servers)
- LLM orchestration and workflows with **LangGraph**
- AI observability and evaluation with **LangSmith**
- Google **Vertex AI** (training, deployment, orchestration)
- Applied Machine Learning for advertising optimization and creative personalization
- Data-driven model evaluation and performance tuning

Backend & Architecture

- Microservices & containerized architectures (Docker)
- Node.js (Express/TypeScript)
- Java (Spring, Servlets, JSP, Apache Beam)
- Python (Pandas, PySpark, Spark ML, TensorFlow, LangGraph, LangChain)
- RESTful APIs, JSON, XML, RPC

Frontend

- JavaScript / TypeScript (Expert)
- Angular, MEAN Stack, Material Design
- React / Redux
- HTML5, CSS3, SASS

Mobile Development

- Native iOS & Android development
- Published apps for major broadcasters and media groups (Fox, Sky, Mediaset, ABC, Al Jazeera, AS Roma)

Databases

- Oracle (PL/SQL), MySQL, MongoDB
- DynamoDB, Amazon Redshift, Google BigQuery, Redis

AdTech & Streaming

- Deep understanding of AdTech ecosystem (SSP, DSP, DMP, Ad Exchange)
- IAB specifications: VAST, VPAID, MRAID
- Video streaming platforms and workflows

Tools & Environments

- Jira, Confluence, Bitbucket, Trello
- Git, CI/CD pipelines
- Linux, macOS, Windows
- Eclipse, VS Code, Xcode

Selected Technical Projects

- **Mediaset innovation:** Designed and implemented custom machine learning models to optimize ad slot distribution on Mediaset's VoD platform, using user behavior data to balance monetization and user experience. Collaboration with the Department of information technology of Bari university.
- **Mediaset Connect:** iOS and Android application of mediaset broadcast, top ten download for several months on app stores.
- **Roma Radio:** radio streaming iOS and Android application for AS Roma football team.
- **The stream:** Al Jazeera streaming application for second screen TV new in the US.
- Distributed simulation acceleration via protocol stack redesign (Linux, C, ASM, Myrinet).
- FTP client/server implementation (RFC 959).
- Web-based document synchronization platform (Java, JSP, Servlets).

Innovation & Public Funding Programs

- **STEP Innovation Grant Application – Lazio Region (2025)**
Contributed to the preparation and submission of the STEP funding proposal, including technical architecture, innovation objectives and feasibility analysis. Collaboration with the department of computer science engineering, automation and management of Sapienza university Rome.
- **RSI Research & Innovation Grant Application – Lazio Region (2023)**
Supported the RSI funding application by defining R&D activities, technical deliverables and innovation impact.
- **FILAS Innovation Grant – Lazio Region (2011)**
Participated in the FILAS public funding program, contributing to technical design, innovation roadmap definition and project documentation.

Languages

Italian: Native

English: Professional proficiency

