



# ALESSIO GRUMIRO

CLOUD & INTEGRATION ARCHITECT | PM

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info@alessiogrumiro.com

Monza, Italy

www.alessiogrumiro.com

## EDUCATION

2004 - 2007

UNIVERSITY "FEDERICO II" OF NAPLES

- Bachelor's Degree in Computer Engineering

## LANGUAGES

- Italian (Native)
- English (Fluent)

## TOP SKILLS

- Project Management and Agile
- Communication and Teamwork
- Leadership and team management
- Java / Spring, .Net, JS, SQL, HTML, CSS
- API Design and microservices architecture
- Networking and security
- Cloud computing (AWS, Azure, IBM), Docker, Kubernetes

## CERTIFICATES

- Confluent Data Streaming Engineer with Kafka
- Microsoft Azure Certified
- AWS Solution Architect
- GPC Core Services
- Mulesoft API Designer and Developer
- Google Android Developer
- IBM Watson Developer
- IBM Watson AI
- Sun Certified Java Developer
- EUCIP IT Manager

## PROFILE

With over 20 years of experience in software development and architecture, I bring a wealth of expertise in building and deploying robust, scalable, and secure solutions on the cloud. My journey in the tech industry has been marked by a deep passion for innovation and a commitment to excellence, particularly in the realm of Java / .Net / JS development and cloud computing.

Thanks to my passion and studies, I earned important IT certifications and I'm proficient in leveraging AWS and Azure services to design and implement cutting-edge cloud solutions. I excel in creating high-performance applications, microservices, and APIs that drive business growth and operational efficiency. I also manage clients' projects as technical PM starting from software requirements gathering phase, till team management using Agile / SCRUM methodologies.

## TOP PROJECTS

### AI-powered longevity coach

2025 - PRESENT

Architected and led the full-stack development of an AI-powered longevity and wellness ecosystem. Built cross-platform mobile apps using React Native and Expo, integrating custom LLM and RAG agents for hyper-personalized coaching. Designed the robust Cloud backend infrastructure on AWS (Lambda, AppSync, DynamoDB, Bedrock, StepFunction, IoT, Redshift, ...) and orchestrated complex 3rd-party API synchronizations, delivering a scalable, medical-grade product for iOS and Android.

**Skills:** AWS, AI, ReactNative, NextJS, UX/UI

### Integration Capability Lead

2025 - PRESENT

As Integration Capability Lead for a global security leader, I architected a Unified Data Platform to centralize enterprise operations. I led a distributed team designing scalable real-time and batch solutions using Azure Integration Services, Boomi, and Azure DevOps. I drove the integration of complex ecosystems including SAP, Salesforce, Dynamics, and Oracle JDE, ensuring data consistency.

**Skills:** Azure, Integration Architecture, Data warehouse

### Connected Health

2025

Spearheaded the analysis and design of a multi-tenant Connected Health platform, shifting care from reactive to proactive. Built on AWS Serverless (Lambda, DynamoDB, IoT, ...) and ReactNative, it integrates BYOD and medical devices to leverage AI Agents for patient-centric, zero-CapEx healthcare.

**Skills:** Azure, Integration Architecture, Data warehouse, Salesforce CC & Health

### Mulesoft Integration Architect

2025

Spearheaded the architectural design of a complex integration ecosystem for a leading European cruise operator. Leveraging MuleSoft, I orchestrated seamless data flows between B2C/B2B channels, Salesforce, SAP, and ServiceNow. My role involved defining API specifications to guide development. I also pioneered AI adoption to optimize integration discovery within AWS and Azure environments.

**Skills:** Mulesoft, Software Integration, Application Integration, AI

### Mulesoft and Kafka trainer

2025

Lead Technical Trainer (MuleSoft & Apache Kafka) Spearheaded strategic upskilling initiatives for senior developers and government entities. Designed and delivered comprehensive curricula covering the full spectrum of integration and streaming architectures—from MuleSoft Anypoint Platform orchestration to Apache Kafka production deployment. Specialized in complex system connectivity, infrastructure operations, and real-time application development using Kafka Streams and KSQL.

**Skills:** Mulesoft, Anypoint Studio, Anypoint Platform, Kafka, KRaft, Zookeeper



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## PERSONAL

Born in Naples on  
10th September 1983

## HOBBIES

- AI and Machine Learning
- Cloud computing
- Software Architecture
- Software Integrations
- BigData
- Predictive Analytics
- IoT platforms
- Wearable
- API management
- Project Management
- Innovation
- Sport

## WORK EXPERIENCE

### Freelance

2024 - PRESENT

#### Cloud & Integration Architect - PM

With over 20 years of experience in software engineering, I am a hands-on CTO and Solutions Architect who operates at the intersection of enterprise stability and cutting-edge innovation. My career is defined by a unique ability to bridge the gap between high-level strategic vision and deep-dive technical implementation. I don't just design architectures; I actively build, code, and deliver them.

My core expertise lies in designing robust, scalable ecosystems on AWS and Azure. I specialize in modernizing legacy infrastructures into cloud-native, serverless, and containerized environments (Kubernetes, AKS/EKS). As a veteran Integration Architect, I have mastered the orchestration of complex data flows for global enterprises, utilizing iPaaS solutions like Mulesoft and Boomi, alongside event-driven patterns with Apache Kafka and Amazon Kinesis. I possess deep experience in designing low-latency systems capable of handling millions of concurrent data streams, ensuring resilience and high availability for mission-critical sectors including Finance, Retail, and Logistics.

Driven by a passion for the future of tech, my recent focus is on Artificial Intelligence and Connected Health. I architect and develop end-to-end solutions that integrate Generative AI (LLMs, RAG Agents) with wearable IoT devices to create proactive wellness and longevity platforms. Unlike traditional architects, I maintain a strong full-stack capability: I personally develop cross-platform mobile applications using React Native and Expo, build web portals with NextJS and React, and code complex backends in Java, Node.js, and .NET.

My role often transcends pure architecture. I frequently act as a Technical Delivery Manager and Business Analyst (BA), managing the full project lifecycle from requirements gathering and UAT to leading Agile teams of developers. Whether acting as a CTO for startups or an Integration Lead for multinational corporations, I bring a product-oriented mindset, ensuring that technical solutions directly drive business value.

I am a firm believer in empowering teams. I actively serve as a technical trainer, delivering advanced workshops on Cloud Computing, Stream Processing, and Distributed Architectures, helping organizations upskill their senior developers and adopt best-in-class engineering practices.

#### Technical DNA

- Cloud & DevOps: AWS (Serverless, Lambda, DynamoDB, Bedrock), Azure Integration Services, Docker, Kubernetes.
- Integration & Streaming: Mulesoft Anypoint, Boomi, Apache Kafka.
- AI & Data: LLM Integration, RAG Architectures, AI Agents, Data Warehousing.
- Development: Java, C# (.NET), Node.js, JavaScript/TypeScript.
- Web & Mobile: React Native, Expo, NextJS, React.
- IoT: Wearable integration, Medical Device connectivity, MQTT.
- Leadership: Agile/Scrum, Team Management, Technical Training, Solution Design.



## LET'S MEET

Book a slot to talk with me scanning the QR code



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## WORK EXPERIENCE

### VF Corporation Sagl

2020 - 2024

#### Senior Platform Architect

As part of the Architecture team, I had a key role in designing the whole system for the new e-commerce platform at the heart of the cross-channel sales (ecommerce, marketplace, retail). I also worked on the designing of the new invoicing system for dealing with tax authorities in many countries and generating PDF documents. My main duties:

- Gather business requirements for the e-commerce platform and translate them into technical specifications
- Design and document processes architecture and integrations using C4Model and UML diagrams on Confluence
- Design and build microservices architecture for processing new incoming data and huge amounts of data for order migration
- API design and build with performance and security in mind.
- Developer team management, creating stories, Agile ceremonies, bugs, cross-team communication
- Code reviewer for the apps belonging to the solution
- Change management contributor for adopting best practices in code delivery

Technologies: Agile, Confluence, C4Model / UML, Java/Spring, NodeJS, AWS Services (Lambda, ECS, DynamoDB, StepFunctions, DocumentDB, EventBridge, S3), MongoDB, Queues / Message Broker, Restful API Design, Salesforce, Mulesoft, SOLID principles

### Accenture Technology Solutions

2016 - 2019

#### AI & Integration Manager

Technical Architect and Integration Manager for AI and Integration solutions with focus on:

- Solution design for integrating heterogeneous systems, with different technologies and different architectures
- Integration book creation, specifying (for each integrated system) the interface agreement specification, communication mimic, security and errors handling.
- Design of well-designed enterprise-level APIs
- API development and process building with Mulesoft.
- Team coordination (about 10 resources) and PM
- Design and implementation of technical architecture for Serverless/Microservices/Container-based/traditional cloud/onpremise solutions using major cloud platforms (AWS, MS Azure, GCP, IBM Cloud).
- Software architecture design and implementation of web/desktop/mobile/IoT applications in JavaEE/C#/Javascript/Html
- Build of Virtual agents with capabilities for analyzing written text, voice, and images.
- Build of Search engines for document retrieval using Natural Language Processing (NLP).
- Text classification for automated routing of incoming emails and documents to the appropriate mailboxes or systems.
- Image analysis engines to identify similarities between images.

Technologies: Mulesoft, API design and management, Staffing Plan, Salesforce, SAP, batch processing, DataWarehouse, logging with Elasticsearch Prometheus and Grafana, IBM Watson, Azure Machine Learning, Google Cloud Machine Learning, Tensorflow, AWS Machine Learning, Google DialogFlow, Virtual Agent, Deep learning, Natural Language Processing, NodeJS, Google Cloud Platform, AWS, Api Gateway/Management, Analytics with PowerBI, Docker, Kubernetes, Apache Hadoop, Apache Spark



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## WORK EXPERIENCE

### Past experiences and projects

2007 - 2019

- Mulesoft Architect and Developer: as integration manager with Mulesoft, I was responsible for designing the integrations between apps and services in a large Energy company. With well-architected apps on Mulesoft, we were able to develop business flows to support the online company growth.
- REST Api and SOAP XML web services designer and developer for API-economy software platform
- Implementation of digital marketing campaigns from data gathering, analysis, and best practices deployment. Channels: Google SEO / Adv, Facebook Adv, LinkedIn Adv.
- Corporate website software development from scratch
- Web booking engine for hospitals and restaurants along with the websites for managing e-commerce kinds of stuff such as product search, details, add to cart, planning, payment (with online gateways), ticket generation integrated with company backend services, and personal area management.
- Kiosk platform: I built a cloud platform for remote controlling of tablets along with a homemade Android distro (built from OS source code). Tables ran software controlled by my clients for booking hospital exams and/or for playing during restaurant services
- Mobile application design and development for Android / iOS native / hybrid/web. I built lots of mobile applications for private chatting, games, car utility, entertainment.
- Software Development Trainer, I gave programming classes in the world of Java, Windows, and Android
- Digital PM for websites managed remotely
- Business Process Analysis and BPMN implementations on cloud with AWS StepFunction and Mulesoft with Drools as BRMS

Technologies: Agile, Kubernetes, Docker, UML, Java/Spring, Javascript, NodeJS, React, Angular, AWS Services (top: Lambda, API Gateway, DynamoDB, Aurora, S3, StepFunction, ECS Fargate), AI/ML, Xamarin, .Net, Mulesoft, Boomi, Workato, Android, Salesforce, BPMN, Oracle, MySQL, SQL Server, PostgreSQL, Mongo, GIT, Jira, Bash, Elasticsearch