ALESSIO GRUMIRO

CLOUD & INTEGRATION ARCHITECT | PM

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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.

WORK EXPERIENCES

Freelance
Cloud & Integration Architect - PM
2024 - PRESENT

As seasoned Cloud & Integration Architect, I'm specialized in the design and implementation of cloud-native solutions on AWS and Azure. I support enterprises in migrating from on-premise infrastructures to the cloud, leveraging proven design patterns, best practices, and scalable architectures to optimize cost, performance, and resilience. My expertise spans serverless computing, containerized workloads (EKS, AKS), and event-driven architectures, ensuring high availability and efficiency.

I design and build high-performance, real-time data processing platforms capable of handling millions of concurrent users and data streams, utilizing technologies such as Apache Kafka, Amazon Kinesis, Apache Flink and Spark Streaming. I have extensive experience architecting low-latency systems (for realtime stream acquisition and processing) using best-of-breed technologies.

As Integration Architect, I collaborate with leading retail and B2B enterprises to design cloud solutions based on established design patterns (CQRS, Event Sourcing, Saga) and orchestrate complex integrations through iPaaS platforms such as Mulesoft and Boomi.

I also deliver advanced training for enterprises and professionals on cloud computing, distributed architectures, streaming data, and cloud-native application development in Java and NodeJS.

Main projects:
- For a leading company in the media and TV industry, I designed cloud-based solutions to handle large-scale data flows generated by user interactions across mobile, web, and TV platforms during live broadcasts. I contributed to the re-engineering of core products, optimizing online voting systems, enhancing video streaming architectures for TV and digital channels, and ensuring high availability, scalability, and low-latency performance in mission-critical environments.
- For a manufacturing company, I led the analysis and design of integration workflows across group companies to streamline billing, customer management, and product lifecycle processes. Utilizing iPaaS platforms such as Mulesoft and Boomi, I implemented seamless integrations between SAP, Salesforce, and cloud-based databases, ensuring data consistency, process automation, and operational efficiency.
- For a data analytics company, I optimized and automated the deployment process for AI models, extending the cloud solution's capabilities to support a large customer base. I enhanced the system's scalability and performance, significantly reducing model training times and ensuring a seamless, high-performance user experience that meets industry expectations.

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

- 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

Visit my Linkedin profile page for further details
https://www.linkedin.com/in/alessiogrumiro/

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WORK EXPERIENCE

VF Corporation Sagl
Senior Platform Architect

2020 - 2024

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
AI & Integration Manager

2016 - 2019

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

PERSONAL

Born in Naples on
10th September 1983

HOBBIES

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

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LET'S MEET

Book a slot to talk with me scanning the QR code

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