CURRICULUM VITAE

Name and Surname: Alessandro Cosentino

Date of Birth: 24/06/1986

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HEADLINE

Senior Backend Engineer | Java, Spring & Microservices Expert | Oracle Certified in Generative AI

PROFILE

Senior Software Engineer with 10+ years designing robust backend and full-stack solutions for regulated, mission-critical environments. Expert in data pipelines, event-driven microservices, and user-centric cloud-native dashboards, supported by modern DevOps practices.

As developer, mentor, and consultant, contributed to digital transformations in financial and public-sector institutions by modernizing legacy systems, embedding compliance, and accelerating delivery. Passionate advocate of clean code, automation, Agile collaboration, and continuous learning through workshops and tech talks, focused on solving real-world problems and generating measurable business value.

KEY SKILLS

- **Core Development** : Java (up to 21), Spring Boot/Framework, Python, Flowable (BPMN)
- **Architecture**: Microservices, Event-driven design, REST APIs, Kafka, SOA
- **Cloud & DevOps**: OCI, Kubernetes, Docker, Jenkins, GitLab CI/CD, Grafana
- **Security**: OAuth2, JWT, Keycloak, RBAC
- **Databases**: Oracle 12c, IBM DB2, MySQL, JPA/Hibernate
- **AI & Machine Learning**: Generative AI, LLM Integration, OCI Generative AI Services
- **Tools**: IntelliJ, VS Code, Git, Jira, Confluence, Swagger, GitLab

LANGUAGES

Italian : Native

English : Professional (C1)

EDUCATION

University of Rome, La Sapienza   **2005 – 2009**
Degree: Bachelor in Aerospace Engineering

Uninform group, Rome
Degree: Master in Business Management Systems   **2010 – 2011**

CERTIFICATIONS / COURSES

Java SE 7 Programmer Associate [1Z0-803], Oracle   **2015**
Java SE 7 Programmer Expert [1Z0-804], Oracle   **2015**
Java EE 6 Web Services Developer Certified Expert [1Z0-897], Oracle   **2016**
Google Cloud Platform - GCP Developer Enablement Program, Codemotion   **2019**
Spring Framework 5.0 Professional Certification, Pivotal Software Inc.   **2019**
OCI Certified AI Foundations Associate [1Z0-1122-25]   **2025**
OCI Certified Foundations Associate [1Z0-1085-25]   **2025**
Oracle Data Platform Certified Foundations Associate [1Z0-1195-25]   **2025**
Oracle Cloud Infrastructure Generative AI Professional [1Z0-1127-25]   **2025**

PROFESSIONAL EXPERIENCE

SENIOR SOFTWARE ENGINEER – CONSULTANT

JULIUS BAER BANK – ZURICH (AUGUST 2021 – DECEMBER 2024)

- Designed and implemented resilient REST APIs, introducing structured error handling and fallback mechanisms for mission-critical financial applications.
- Integrated and configured Keycloak for secure identity management (JWT, RBAC), ensuring regulatory compliance and robust access control.
- Set up mock environments to streamline debugging and troubleshooting processes, significantly reducing MTTR by ~30% .
- Actively mentored junior developers through code reviews and technical workshops, improving overall team productivity and knowledge sharing.

SENIOR SOFTWARE ENGINEER – CONSULTANT

CORNER BANK – LUGANO (MARCH 2021 – AUGUST 2021)

- Built intranet application using Spring Boot, seamlessly integrated with Oracle BI to deliver real-time business analytics.
- Implemented robust security standards using Spring Security (RBAC) to meet banking.
- Automated build and deployment processes using Jenkins and Docker, greatly reducing release cycle times and deployment risks.

SENIOR SOFTWARE ENGINEER – CONSULTANT

CSI – BELLINZONA (MARCH 2020 – FEBRUARY 2021)

- Built scalable and modular Java-based microservices leveraging Spring Boot and Apache Camel to modernize legacy public-sector systems.
- Integrated Apache Kafka to enable robust and reliable asynchronous communication across distributed components.
- Collaborated closely with business analysts and stakeholders to translate complex requirements into actionable technical solutions.

SOFTWARE ENGINEER – INTERNAL

ENGINEERING GROUP – ROME, ITALY (JANUARY 2014 – FEBRUARY 2020)

- Designed and delivered RESTful APIs and Java-based microservices using Spring Boot, enhancing system modularity and maintainability.
- Established automated test suites (unit, integration, functional), improving software quality, reliability, and deployment confidence.
- Contributed to front-end development using Angular, facilitating integration with backend services.
- Performed database management tasks (Oracle, IBM DB2, MySQL).

SOFTWARE ENGINEER – INTERNAL

TELECOM ITALIA – ROME, ITALY (JANUARY 2011 – JANUARY 2014)

- Participated actively in requirement analysis and implemented scalable telecom service applications, aligning closely with business needs.
- Developed, tested, and maintained Java-based web applications built on Struts and Hibernate frameworks, ensuring reliability and robustness.
- Contributed to Agile (Scrum) teams through daily stand-ups, sprint planning, and retrospectives, improving team efficiency and communication.

KEY PROJECT & IMPACT

- **AML Compliance Reporting Platform @ Julius Baer:** Delivered end-to-end compliance solution ensuring FINMA regulatory adherence, adopted fully by Compliance Teams.
- **Policy Breach Case Management API Optimization @ Julius Baer :** Achieved ~40% efficiency boost through backend/DB optimization, enhancing internal audits response times.
- **Taxation Notification System @ CSI :** Enabled daily tax notifications and legacy integrations, streamlining processes for public administration.
- **Internal Analytics Dashboard @ Corner Bank :** Delivered real-time analytics dashboard with Spring Boot & React, enhancing decision-making capabilities.