

ALESSANDRO COSENTINO

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Linkedin: /in/alessandro-cosentino-senior-software-engineer

PROFESSIONAL HEADLINE

Senior Software Engineer | Java, Spring Boot, Microservices | Kubernetes, Kafka, Terraform | Cloud-Native Systems | OCI Generative AI Certified

PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of experience designing and delivering robust, scalable backend and full-stack systems in regulated industries such as banking, insurance, public administration, and telecom.

Specialized in Java (7–17, exploring 21), Spring Boot, and microservices, with hands-on expertise in cloud-native architectures, DevSecOps, and infrastructure as code using Terraform and OCI Resource Manager.

Strong background in designing event-driven systems with Kafka, modeling business processes using Flowable BPM, and delivering secure, auditable services aligned with enterprise compliance requirements.

Experienced in CI/CD automation (GitLab CI, Jenkins, Helm), observability tooling (Prometheus, Grafana, Jaeger, ELK), and Agile delivery. Known for a systems-thinking approach, clean and maintainable code, and strong communication across technical and business teams.

TECHNICAL SKILLS

- Programming: Java (7–17), Python, BPMN (Flowable BPM), SQL
 - Frameworks: Spring Boot, Spring Framework, RESTful APIs, Apache Kafka, SOA, Angular
 - Cloud & DevOps: Oracle Cloud Infrastructure (OCI), Kubernetes, Terraform, Docker, Jenkins, GitLab CI/CD, Ansible, Prometheus, Grafana, Helm
 - Security: Spring Security, OAuth2, JWT, Keycloak, RBAC, SSO
 - Databases: Oracle, IBM DB2, MySQL, PostgreSQL (basic), JPA, Hibernate
 - Generative AI: Prompt Engineering, Large Language Models (LLMs), Generative AI APIs (OCI)
 - Tools: IntelliJ IDEA, Visual Studio Code, Git, Jira, Confluence, Swagger/OpenAPI
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CERTIFICATIONS

- Oracle Generative AI Professional [1Z0-1127-25] – 2025
 - Oracle Data Platform Foundations [1Z0-1195-25] – 2025
 - OCI AI Foundations Associate [1Z0-1122-25] – 2025
 - OCI Foundations Associate [1Z0-1085-25] – 2025
 - Spring Framework 5.0 Certified – 2019
 - GCP Developer Program – 2019
 - Java EE Web Services Developer Expert [1Z0-897] – 2016
 - Java SE 7 Programmer Expert [1Z0-804] – 2015
 - Java SE 7 Programmer Associate [1Z0-803] – 2015
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PROFESSIONAL EXPERIENCE

Senior Software Engineer (Consultant) – Julius Baer Bank, Zurich

Aug 2021 – Dec 2024

- Delivered resilient RESTful APIs with Spring Boot, improving reliability and reducing production incidents.
- Architected approval workflows by translating business rules into BPMN models, deployed via Flowable (Work/Engage, Design, Control).
- Implemented regulatory processes with Flowable decision tables, timers, service tasks, and listeners, reducing manual exceptions.

Senior Software Engineer (Consultant) – Corner Bank, Lugano

Mar 2021 – Aug 2021

- Developed an internal analytics dashboard using Spring Boot and Oracle BI, streamlining access to real-time data for 50+ users.
- Implemented RBAC-compliant authentication with Spring Security to strengthen access control and reduce risk.

Senior Software Engineer (Consultant) – CSI, Bellinzona

Mar 2020 – Feb 2021

- Migrated legacy systems into modular Spring Boot microservices, improving deployment agility and maintainability across 5+ business domains..
- Integrated Apache Kafka for asynchronous communication, enhancing resilience and decoupling services.
- Collaborated with analysts to automate key workflows, streamlining operations and reducing repetitive effort.

Software Engineer – Engineering Group, Rome

Jan 2014 – Feb 2020

- Delivered 10+ Spring Boot APIs and microservices for high-volume transactional systems, improving scalability and modularity.
- Improved unit and integration test suites to raise code coverage and ensure quality.
- Developed responsive Angular UI components integrated with Spring APIs, enhancing user experience.
- Tuned relational databases (Oracle, DB2, MySQL) via indexing and query optimization to accelerate data access.

Software Engineer – Telecom Italia, Rome

Jan 2011 – Jan 2014

- Engineered scalable backend services using Java, Struts, and Hibernate for telecom applications.
- Facilitated Agile ceremonies, improving sprint planning and team consistency.
- Conducted functional analysis to align features with operational requirements.

KEY PROJECTS

- Delivered an AML reporting platform using Flowable BPM, ensuring full FINMA compliance and reducing manual preparation time for daily regulatory submissions.
- Refactored case management APIs to improve code clarity and streamline audit traceability, enhancing system maintainability and quality.
- Designed a tax notification system for legal entities, implementing fiscal computation logic and integrating with legacy backends to automate compliance reporting and reduce manual workload.
- Developed a mortgage affordability workflow using Flowable decision tables and stage-based case management, fully automating the process and cutting processing time by 50%.

EDUCATION

Master's in Business Management Systems – Uninform, Rome – 2011

Bachelor's in Aerospace Engineering – University of Rome, La Sapienza – 2009

LANGUAGES

Italian – Native | English – Fluent