ALESSANDRO COSENTINO

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PROFESSIONAL HEADLINE

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

PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of experience designing scalable backend and full-stack solutions for mission-critical environments.

Proven expertise in microservices architecture, event-driven systems, and cloud-native platforms.

Strong advocate of Agile practices and continuous improvement in development processes and team collaboration.

TECHNICAL SKILLS

- Programming: Java (8–21), Python, Flowable (BPMN)
- Frameworks: Spring Boot/Framework, REST APIs, Kafka, SOA, Angular
- Cloud & DevOps: OCI, Kubernetes, Docker, Jenkins, GitLab CI/CD, Grafana
- Security: OAuth2, JWT, Keycloak, RBAC
- Databases: Oracle 12c, IBM DB2, MySQL, JPA/Hibernate
- AI/ML: Generative AI, LLM Integration, OCI GenAI Services
- Tools: IntelliJ, VS Code, Git, Jira, Confluence, Swagger

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

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Consultant) – Julius Baer Bank, Zurich
Aug 2021 – Dec 2024

- Developed resilient REST APIs with structured error handling, improving fault tolerance and system stability.
- Integrated Keycloak for secure identity and access management (JWT, RBAC), ensuring 100% FINMA compliance.
- Automated approval workflows by translating business requirements into BPMN models, streamlining processing and accelerating approvals.
- Introduced mock environments that significantly improved MTTR and recovery testing during outages.
- Mentored junior developers, helping the team improve delivery consistency and reduce review cycles.

Senior Software Engineer (Consultant) – Corner Bank, Lugano
Mar 2021 – Aug 2021

- Engineered an intranet analytics dashboard using Spring Boot & Oracle BI, used by 100+ employees.
- Implemented RBAC-compliant authentication via Spring Security, mitigating access risks by 90%.
- Automated CI/CD pipelines with Jenkins & Docker, enabling faster, more reliable deployments across environments.

Senior Software Engineer (Consultant) – CSI, Bellinzona
Mar 2020 – Feb 2021

- Migrated legacy systems to modular Java-based microservices with Spring Boot and Apache Camel, improving system flexibility and maintainability.
- Enhanced system resilience using Apache Kafka for asynchronous communication between microservices.
- Partnered with business analysts to deliver solutions that automated repetitive tasks, cutting manual effort in half.

Software Engineer – Engineering Group, Rome
Jan 2014 – Feb 2020

- Delivered over 20 REST APIs and microservices with Spring Boot, enhancing system scalability.
- Built automated test suites (unit, integration), increasing code coverage to 80%.
- Built responsive Angular UI components integrated with Spring Boot services, enhancing overall user experience and interface consistency.
- Optimized database performance through indexing and query tuning, accelerating data access across Oracle, DB2, and MySQL systems.

Software Engineer – Telecom Italia, Rome
Jan 2011 – Jan 2014

- Designed and deployed scalable telecom applications using Java, Struts, and Hibernate.
- Led Agile ceremonies and improved sprint planning, helping the team deliver more consistently and reduce rework across sprints.
- Conducted business requirement analysis for feature development in line with operational needs

KEY PROJECTS

- Engineered AML reporting system aligned with FINMA standards, streamlining compliance workflows and reducing manual effort.
- Optimized case management APIs by refactoring legacy backend code, improving audit response efficiency and backend performance.
- Developed automated tax alert platform integrated with legacy systems, enabling daily reporting and improving compliance efficiency across public offices.
- Built interactive analytics dashboard with Spring Boot and React, empowering executives with real-time business insights and reducing reliance on manual BI reports.

EDUCATION

Master in Business Management Systems – Uninform, Rome – 2011

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

LANGUAGES

Italian – Native | English – Professional (C1)