

# ANDREA TRINCHERO

## SENIOR SOFTWARE ENGINEER

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### SUMMARY

Senior Software Engineer with 8+ years of experience designing and delivering scalable, cloud-native systems in AWS environments, with a strong focus on backend and distributed architectures. Strong background in Java, Spring Boot, distributed systems and event-driven architectures. Experience building and optimizing CI/CD pipelines and implementing Infrastructure as Code with Terraform to improve deployment reliability and release velocity. Applies test-driven development and SOLID design principles to build reliable, maintainable backend systems in fast-evolving engineering environments.

### TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, C, SQL

**Backend:** Spring Boot, Hibernate, MyBatis, REST APIs, Kafka, IBM MQ

**Data Management:** MongoDB, Oracle, PostgreSQL, Liquibase

**Cloud Platform:** AWS | **Containerization & IaC:** Docker, Kubernetes, Terraform

**Build & CI/CD:** Git, Maven, Gradle, Jenkins, GitHub Actions, GitLab CI, Code Quality Tools

**Quality & Testing:** JUnit 5, Cucumber, Pact, Testcontainers, WireMock, SonarQube, ArchUnit

**Security:** OAuth2, JWT, Spring Security, AWS IAM, GitHub Dependabot, Keycloak

**Monitoring:** Instana, Elasticsearch, Splunk

### PROFESSIONAL EXPERIENCE

#### OTTO Group - Software Engineer

Insurance Product within OTTO e-Commerce

Jun 2024 - Present

Hybrid - Madrid, Spain

- Designed and delivered a new **AWS**-based insurance product integrated into OTTO's e-commerce platform, collaborating with a distributed team across Spain and Germany.
- Built event-driven microservices using Apache **Kafka**, improving service decoupling, scalability and fault tolerance.
- Developed **REST APIs** for synchronous integrations with external partners; enabled low-environment testing by mocking dependencies with **WireMock**.
- Applied **Test-Driven Development**, achieving **100%** unit, integration and functional test coverage, significantly reducing production regressions.
- Automated **CI/CD** pipelines with **GitHub Actions**, creating a shared workflow and leveraging **Gradle** caching to reduce deployment time by **~60%**.
- Implemented **disaster recovery** strategies on AWS, ensuring business continuity and minimizing downtime.

## Capgemini - Software Engineer

Feb 2018 - May 2024

Hybrid - Turin, Italy

Generali (Insurance) | May 2021 – May 2024

Projects: Generali-Telepass Partnership & Fleet Management

- Engineered **Java microservices** on **AWS**, implementing new business logic to support digital insurance offerings.
- Built and integrated **RESTful APIs**, enabling seamless communication with partner systems and external services.
- Achieved **~90%** unit and integration test coverage with **TDD** leveraging **Pact**, **Testcontainers**, and **Liquibase** to reduce defects and ensure production reliability.
- Promoted **Agile** and **DevOps** practices, delivering continuous production releases and improving team efficiency.

Intesa Sanpaolo (Banking) | Feb 2018 – Apr 2021

Projects: Personal Loans & FATCA Compliance

- Developed core banking solutions in Java within a monolithic architecture, acting as a **Fullstack Developer**.
- Implemented new business processes for **Personal Loans** and **FATCA** compliance, ensuring regulatory alignment.
- Increased unit test coverage **above 80%** and applied **SonarQube** quality gates, reducing production defects and improving maintainability.
- Enabled **continuous delivery** with **Jenkins**, ensuring frequent and reliable production releases.

## Sports Data Analyst – UEFA Champions League

Aug 2015 - Dec 2017

Onsite - Turin, Italy

- Collected and validated real-time player tracking data for **UEFA** Champions League matches across global stadiums, achieving **95%** accuracy under high-pressure conditions.
- Collaborated with technical teams during live events, developing strong problem-solving and communication skills.

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## EDUCATION AND CERTIFICATION

- AWS Generative AI, AWS Cloud Practitioner, SAFe® 6 DevOps Practitioner (2023)
- SAFe® 5 DevOps Practitioner (2022)
- IELTS Certification
- Bachelor's Degree in Computer Engineering, e-Campus
- High School Diploma, Scientific Studies

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## LANGUAGES

- Italian: Native
- English: C1 (Proficient)
- Spanish: C1 (Proficient)
- German: A2 (Basic)
- French: A1 (Basic)