Marco **AGUZZI**, Ph.D.

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Key Skills

- *IDEs & Tools*: IntelliJ IDEA, Eclipse, Git, Jira, Jenkins, SonarQube, Grafana, Prometheus
- *Infrastructure*: Docker, Kubernetes, Terraform, AWS (EC2, Lambda, S3, RDS, ECS)
- *Messaging & Monitoring*: RabbitMQ, JMS, IbmMQ, Elasticsearch, Splunk
- *DBMS*: MongoDB, MySQL, PostgreSQL, Oracle, SQL Server
- *Languages*: Java, Scala, XML, C#, Shell scripting

Certifications and Courses

- AIF-C01 AWS AI Practitioner - Jul 2025
- SAA-C03 AWS Solution Architect - Associate - Apr 2025
- HCTA0-003 HashiCorp Terraform Associate - Sep 2024
- DVA-C02 AWS Certified Developer – Associate - Oct 2023
- M101J MongoDB for Java Developers (M101J) - Mar 2018
- SCJP 5.0 Sun Certified Java Programmer - Mar 2009
- Oracle AS and Database fundamentals - Mar 2007

Summary

Seasoned Software Engineer with 15+ years of experience in backend development, with a core focus on Java ecosystems, cloud infrastructure (AWS), and distributed architectures.

Strong expertise in designing scalable microservices, CI/CD automation, and API development for enterprise-grade systems.

Ph.D. in Computer Engineering with a hands-on and project-driven mindset. Recognized for introducing architectural improvements, optimizing build processes, and delivering resilient solutions in agile environments.

Work experience

YOOX Net-a-porter (fashion e-commerce) | Sep 2021 – present

Java / Scala Developer

◇ Acted as internal reference point for AWS/Terraform initiatives

◇ Designed and maintained shared infrastructure modules used by multiple developer teams (30+ lambdas)

◇ Presented refactored tools and a GraphQL-based API to the internal developer community (20K calls / day)

◇ Improved CI/CD speed by 60% via containerized testing strategy

◇ Developed Java customizations for the core Order Management System

◇ Delivered Scala microservices integrating internal and third-party services

◇ Built real-time threshold-based alerting on Elasticsearch to streamline issue diagnosis

Stack: Java 8–21, Scala, AWS, Terraform, Docker, Gradle, MongoDB, Oracle, Jenkins, Elasticsearch, RabbitMQ

Agile contributions: backlog grooming, technical debt triage, knowledge sharing across teams

MotorK Italia (automotive lead generation) | May 2018 – Sep 2021

Senior Grails Developer

◇ End-to-end contributor on automotive digital products, with ownership across development, infrastructure, and customer-facing improvements.

◇ Developed APIs exposing vehicle data to WordPress (4,000 vehicles/day via Jato)

◇ Created chatbot logic with typo detection (Google NLP) to optimize UX, gaining 30% increase in visit to lead rate

◇ Implemented real-time quality checks on third-party leads to support business decisions (10K leads / month)

◇ Containerized legacy apps and set up pre-prod environments with full sync

◇ Gave tech talks on lead ingestion architecture and Java Streams usage

Stack: Java 8–12, Grails, Spring Boot, MongoDB, MySQL, Docker, AWS, Kubernetes, Jenkins, Prometheus, Solr

Agile contributions: direct client interaction, feature estimation, junior mentorship

ALTRAN ITALIA (IT consultancy, banking) | Feb 2011 – May 2018

Advanced Consultant

◇ Worked on mission-critical financial platforms and enterprise tools integrating big data and external systems.

◇ Built over 10 Rich Internet Applications with custom components and shared libraries

◇ Developed a scalable SOAP microservice handling thousands of technical emails per month

◇ Integrated with Splunk and middleware (SWIFT protocol) to process transactional data

◇ Fully managed software lifecycle, including deployments and stakeholder mediation

Stack: Java, Spring Batch, Hibernate, SOAP, Rest, GWT, Eclipse, Splunk, SQL Server, Jenkins, SonarQube

Agile contributions: Played the role of Scrum Master for a distributed team (Italy–India), led technical interviews (100+) and mentored junior consultants

TECH GAP ITALIA (IT consultancy, automotive & banking) | May 2007 – Feb 2011

Software engineer

◇ Developed Java and .NET applications for real-time tracking and RFID-based systems in industrial contexts.

◇ Delivered pilot projects in chemical, automotive, and healthcare domains

◇ Built RFID systems from driver-level communication up to UI layers Automotive project awarded *RFID Italia Award 2008* and presented at *Bologna Motorshow*

◇ Led a 2-month advanced Java course (J2EE, JPA, EJB) for 10+ participants

Stack: Java, C, C#, SQL Server, PostgreSQL, SOAP, XML, Swing, RFID, ASP.NET