



Jacopo Biscella

Senior Backend Engineer / Software Architect

Email: jacopo@biscella.com

Phone: +41 766 199 009

LinkedIn: linkedin.com/in/jacopobiscella

Location: Nyon (VD), Switzerland

Languages: Italian (native), English (fluent)

Work Authorization: Swiss B-Permit; British & Italian citizenship

Profile / Summary

20+ years building event-driven microservices on the JVM in mission-critical environments (luxury retail, RegTech, travel). Product-minded leader focused on simplicity, testability, observability, and predictable Agile delivery.

Selected Impact

- Built a billing reconciliation capability later measured by Finance at >\$5M/month recovered revenue.
- Increased team throughput by +40% via pragmatic Agile (Scrum/Kanban, WIP limits, feedback loops).
- Cut CI/CD provisioning for new warehouses from >2 weeks to <1 hour via pipeline automation.

Core Skills

Architecture: Event-driven systems, microservices, domain modeling, API design, resiliency, idempotency.

Backend: Java, Spring Boot/Framework, Vert.x; testing with JUnit/Mockito/BDD (Cucumber).

Data & Messaging: Kafka, Solace; MongoDB, Cassandra, CockroachDB; performance & profiling.

Observability & Ops: Kubernetes/EKS/OpenShift, Grafana/Prometheus/OpenTelemetry, Docker, GitLab/Jenkins.

Performance & SDK: JVM tuning, memory management, application profiling; SDK development and transversal components.

Technical Leadership: Mentoring & coaching, Agile delivery (Scrum/Kanban), system design review, hiring technical talent.

Experience

Senior Software Engineer

Dec 2024 – Present

Richemont Group (via ALTEN), Meyrin, CH

Context: Largest Swiss luxury group (Cartier, Van Cleef & Arpels, etc.). Middleware & OMS integration.

- **Designed and shipped** event-driven microservices on **AWS EKS** bridging Cartier/VCA OMS ↔ SAP, enabling earlier **E2E testing** and accelerated go-live readiness.
- **Contributed features** using **Fluent Commerce Rule SDK** for the new **Order Management System (Cartier)**.

Tech Stack: Java, Spring Boot, Solace, MongoDB, Fluent Commerce, Docker, GitLab, Kubernetes, Datadog.

Senior Software Engineer (acting Team Leader)

Jan 2022 – Nov 2024

Global Relay, London, UK

Context: RegTech archiving/compliance for 22/25 top global banks; high-scale, regulated workloads.

- Implemented **billing reconciliation services** on on-prem **Kubernetes (Java/Spring, Kafka,**

CockroachDB): forecasted to recover >**\$850k/month**, actual Finance audit confirmed >**\$5M/month**.

- **Led a cross-functional team of 8 engineers**, boosting velocity by **40%** and improving resiliency through **SCRUM, BDD, and TDD**.
- Delivered and maintained an **API Gateway (Spring Cloud Gateway)** for REST services maintainability.
- Integrated **Global Relay Message** with **Meta Business Portal** and built the onboarding back-end (**TypeScript, Next.js, Aerospike**).
- Led **memory investigation** and strengthened **observability** (logs/traces/metrics) across teams; coordinated **cross-team hardening initiatives** improving resiliency of regulated workloads.
- Conducted **40+ technical interviews**, set performance goals, and **partnered with Product Management** to align roadmap and feature prioritization within billing and compliance domains.

Tech Stack: Java, Spring, Kafka, CockroachDB, Aerospike, Vert.x/RxJava, Cucumber, Docker, Jenkins, K8s, Grafana/Prometheus.

Senior Software Engineer

Oct 2020 – Jan 2022

Ocado Technology, London, UK

Context: Technology company designing cloud orchestration systems for automated robotic warehouses, grocery ecommerce platforms and logistics globally.

- Planned migration from **legacy monolith to microservices** for **cloud orchestration of robotic warehouses**.
- **CI/CD acceleration**: designed automation that reduced manual setup for new warehouses from >2 weeks to <1 hour.
- **Coached Agile adoption**; ran **architecture education sessions** for migration towards **AWS/Java**.

Tech Stack: Java, Scala/Akka, Cassandra, Selenium, Cucumber, Docker, K8s, GitLab.

Senior Software Engineer & Scrum Master

Jul 2015 – Oct 2020

Amadeus, London, UK

Context: Global travel IT processing 400M+ transactions daily across airline partners and travel agencies.

- Built a lightweight **AOP framework** and **SDK for generating tests from live data**.
- Contributed to a **real-time microservice platform** enabling event-based interaction with Amadeus data.
- Led **memory investigation efforts**, performed **application profiling**, and provided training to team members on JVM optimization.
- **Scrum Master** for globally distributed teams; streamlined dev processes and mentored engineers.
- Contributed to **architectural studies**, influencing sprint-focused increments for platform evolution.

Tech Stack: Java, Groovy, Spring, Kafka, Robot Framework, MongoDB, OpenShift, Docker/K8s, Grafana/Prometheus.

Co-Founder & Engineering Lead

Apr 2011 – Jul 2015

NetProphecy LTD, London, UK

- **Managed multiple projects/teams** using Agile; led **hiring & training** for us and clients.
- Delivered a custom **ERP/CRM system** increasing operational efficiency by **25%** for **5+ SME clients** across London and Milan.

- Hands-on delivery of **web applications** and **mobile apps** across the full lifecycle.

Tech Stack: Java, PHP, MySQL/PostgreSQL, Selenium, Cucumber, Docker/K8s.

Earlier Roles

2002 – 2011

University of Milan; Mixel S.c.a.r.l.; AIMPES Servizi SRL; Italian public administration, Italy

Built **ERP and mobile solutions** adopted across **public sector administrations in Italy (ZK, JBoss, MySQL)**.

Education

BSc in Digital Communication, University of Milan — 2006

Professional Development and Certifications

- MongoDB Developer Training
- **Udemy** — NestJS Zero to Hero: Modern TypeScript Back-end Development
- **Udemy** — Masterclass Skills: Team Leadership Skills Masterclass
- **LinkedIn Learning** — Become a Manager Learning Path
- **LinkedIn Learning** — Java Memory Management: Garbage Collection, JVM Tuning, and Spotting Memory Leaks
- **LinkedIn Learning** — Microservices: Security
- **LinkedIn Learning** — Microservices: Asynchronous Messaging
- **LinkedIn Learning** — Software Architecture: Breaking a Monolith into Microservices

Keywords (ATS)

Languages & Frameworks: Java; Spring Boot/Framework; Vert.x

Platforms & Data: Kafka; Solace PubSub+; Kubernetes/EKS/OpenShift; Docker; MongoDB; Cassandra; CockroachDB

Methodologies & Domains: Microservices; Event-Driven Architecture; Domain-Driven Design (DDD); Event Sourcing; CI/CD; Agile/Scrum/Kanban; BDD/TDD; RegTech; Financial Services; Luxury Retail

Tooling & Systems: OpenTelemetry; Prometheus/Grafana; API Gateway; Fluent Commerce; Order Management System (OMS); AWS EKS