

Ugo Matrangolo

Principal Engineer

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About me

Principal Engineer with 20+ years of experience architecting scalable platforms and leading teams through complex transformations. Expert in distributed systems, API strategy, and platform modernization, with a track record of improving performance, reducing costs, and driving measurable business growth. Passionate about mentoring engineers and aligning technology with long-term product vision.

Technical skills

Backend Development

Java Scala Python GoLang
API Design Microservices
Functional Programming

Databases

PostgreSQL SQLite DynamoDB

Messaging

Kafka SQS SNS Kinesis ActiveMQ

DevOps & Cloud

AWS Kubernetes Github CI/CD
GitOps

Tools

Git Docker Localstack

Languages

 English
 Italian

Experience

Principal Engineer | SaaS Document Workflows @ Nitro

2019 — Current

Principal engineer, tech leader and IC working on SaaS solutions for document workflows

- ▶ *Architectural modernization:* Leading Identity, Account, and Billing teams through a major platform overhaul, simplifying architecture to unlock scalability and future growth.
- ▶ *Customer experience:* Designed and delivered a new search architecture for the Nitro Admin portal, dramatically improving UX for enterprise customers with large datasets.
- ▶ *M&A integration:* Guided the engineering org through a complex acquisition, aligning systems and teams across overlapping product domains.
- ▶ *Ecosystem expansion:* Directed the design and rollout of Salesforce, SharePoint, and Zapier integrations, broadening product reach and driving new sales opportunities.
- ▶ *Technical leadership:* Championed technical decisions to unify the tech stack, promoting modernization, consistency, and long-term maintainability.

Principal Engineer | Core Platform Team @ HBC

2016 — 2019

Principal engineer leading the Search team

- ▶ *Search platform modernization:* Led the redesign and rollout of a cross-banner search infrastructure, simplifying operations and delivering a more robust, extensible system.
- ▶ *Developer enablement:* Authored a Kubernetes CLI tool that automated cluster operations, adopted across teams and accelerating cloud adoption by removing operational friction.
- ▶ *Business impact:* Built and deployed a product recommendation engine on top of the search stack, driving a +3% lift in e-commerce conversion rate.

Principal Engineer @ GILT

2010 — 2016

Principal Engineer leading the Core Platform team in charge of business critical e-commerce systems.

- ▶ *Core commerce capabilities:* Designed and directed the team that built the search and product listing solution powering GILT core e-commerce experience.
- ▶ *Platform scalability:* Led the transition of back-end systems to a more scalable architecture, reducing operational costs significantly while improving system resilience.
- ▶ *Performance optimization:* Conducted JVM profiling and benchmarking to optimize critical micro-services, cutting resource usage and boosting performance, predictability, and end-user experience.
- ▶ *Organizational growth:* Partnered with the executive team to scale the Dublin office, contributing to hiring and on-boarding efforts that expanded the engineering footprint.

Other

2002 — 2010


Software engineer in the insurance, product recommendation and ERP spaces

- ▶ Senior engineer at a startup building large-scale recommendation systems for major telcos.
- ▶ Independent developer delivering modernization projects for various clients in Italy.
- ▶ Senior engineer contributing to the design and implementation of a proprietary ERP system for Alliance Boots.
- ▶ Developer on an online insurance portal serving SMEs.

Education


2008 CEFRIEL, ICT Center of Excellence

Milan, Italy

 Post Graduate Master Degree in Software Engineering (98/100)

2002 University of Calabria, DEIS

Cosenza, Italy

 Master Degree in Software Engineering (108/110)