

## Riccardo Dozzo

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### Profile

Lead/Principal Engineer with experience modernising large-scale platforms, driving architectural improvements, and leading engineering teams. Strong focus on performance, reliability, cloud migration (AWS), and improving engineering practices across design, testing and maintainability. Adept at solving complex technical problems, optimising systems at scale, and shaping long-term technical direction.

### Key Achievements

- Led architecture and performance modernisation of a large media planning platform; resolved long-standing scalability issues.
- Accelerated release cadence by redefining the test strategy.
- Drove cloud-migration initiatives and decomposition of a monolithic system.
- Improved maintainability and engineering standards through architectural clarity and refactoring.
- Delivered high-impact refactors of financial integration pipelines using SOLID principles.
- Introduced automation tools reducing manual workload.
- Built critical business systems including a sales-force automation tool reducing costs by 20%.

### Technical Leadership Philosophy

I believe in engineering teams that combine strong architectural foundations with autonomy to innovate. I prioritise maintainability, performance, and testability as long-term enablers of delivery speed, supporting teams through mentoring and clarity.

### Core Skills

Languages: C#, C

Cloud & Infra: AWS (RDS, EC2, S3), Docker, Kubernetes

Architecture: Distributed systems, microservices, event-driven design, domain modelling

Database: Oracle, SQL Server

Practices: Profiling, performance tuning, CI/CD, test strategy, refactoring, OOAD

Other: Web API, NServiceBus, ORMs

## **Professional Experience**

### Freewheel – Lead Software Engineer (2021–Present), London, UK

- Led performance engineering and removed critical bottlenecks.
- Redefined testing strategy to enable more reliable releases.
- Improved maintainability via architectural corrections and refactoring.
- Evaluated AWS managed database migration.

### Freewheel – Tech Lead (2016–2021), London, UK

- Led a team of 6–8 developers on a media planning platform.
- Rearchitected financial integration components.
- Contributed to monolith decomposition and cloud migration.

### NES Srl – Software Engineer (2014–2016), Venice, Italy

- Designed architecture for an advanced payment platform.
- Integrated IdentityServer STS.

### Open Software Srl – Software Engineer (2008–2014), Mirano, Italy

- Developed backend systems in C#.
- Introduced Selenium UI testing.
- Maintained complex legacy C code.

### Freelance – Software Engineer / Consultant (1994–2008), Italy

- Delivered custom C/C# systems.
- Modernised ASP platforms to .NET.
- Built sales-force automation system reducing costs.

## **Education**

MSc equivalent – Laurea Specialistica in Informatica, University of Udine

BSc equivalent – Laurea in Scienze dell'Informazione, University of Udine