

Ivan Luminaria

Technical Leader for Mission-Critical Databases and Data Warehouses

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PROFILE

There are decisions a CIO makes every quarter — with two- or three-year implications, decisions that must hold up before the board and sometimes before the regulator. And there are moments when those decisions need to be thought through out loud with someone before they're announced to the team. The Technical Leader is that voice.

Not a consultant who arrives, solves, and leaves. Not a CTO hired who has to defend the decisions made with him. A senior independent peer who sits in the right rooms with the continuity of a long relationship — same person, same operational context, months that turn into years.

What I do in a typical month: I sit in the client's IT committees, run architectural reviews alongside the senior team, listen to what vendors propose and translate it into trade-offs the CFO can understand, help the CIO build the technical narrative that will later reach the board. On the nights when something happens I'm reachable — not as first response, but as second-level reading when the team needs an outside view.

Three decades on mission-critical databases across Oracle, PostgreSQL and MySQL — banking, insurance, telco, public administration and postal. Multi-node Exadata clusters, fact tables ingesting 800M+ records per day with SLAs under 500 ms, environments serving 20M+ end users. Analytical batches cut from 4 hours to under 30 minutes on Oracle OCI and Autonomous Database — no platform change. PL/SQL ETL packages of over 60,000 lines for a multi-country DWH. Kimball, Inmon, star/snowflake, SCD. Oracle Italy trainer on SQL, PL/SQL, administration, performance tuning. Twenty-five years of continuous mentoring of senior and junior teams.

What I bring: continuous presence in the technical decisions that matter, a cross-layer reading method that connects application, database, storage, network and data architecture, and the discipline of being the peer who tells you what the vendor will never say — because I have nothing to sell you.

AREAS OF ENGAGEMENT

- **Database Health Check** — structured assessment of performance, reliability, capacity and latent risks, with an evidence-based report and a prioritised roadmap.
- **Post-Incident Root Cause Analysis** — incident reconstruction on real data (AWR, ASH, wait events, application and infrastructure logs), separating causes, consequences and correlations.
- **Ongoing technical leadership** — independent technical assessments, coordination across development, DBA and infrastructure teams, governance of architectural decisions.
- **Data Warehouse design** — end-to-end DWH and ETL/ELT pipelines on Oracle and PostgreSQL.

KEY RESULTS

- **Several hundred Oracle databases** across 30 years, spanning administration, tuning, DWH, PL/SQL and project management.
- About **1,500 MySQL and PostgreSQL instances** administered today for **POSTE ITALIANE**.
- **30+ Oracle databases on Exadata** (3+5 nodes, **67+ instances**) on a telco engagement for **TIM (via Huawei)**, serving **20M+ prepaid mobile users**: up to **800M records per day**; critical queries **under 500 ms**.
- Critical analytical batches cut **from 4 hours to under 30 minutes** (Oracle on OCI and Autonomous Database).
- **Surety DWH** (Atradius) across **4 European countries** (Italy, Spain, France, Northern Europe): **60,000+ lines of PL/SQL**, full daily load **under 2 hours**.
- ETL/ELT pipelines integrating **15+ heterogeneous sources** on datasets above **2 billion rows**.

CORE EXPERTISE

- **Databases**: Oracle up to 23ai, Exadata, RAC, Data Guard, Autonomous Database · PostgreSQL 14+ · MySQL enterprise · HA/DR (RMAN, Flashback, switchover/failover) · security (TDE, privileges, auditing) · ASM · patching, upgrades, cross-platform migrations
- **Performance**: AWR, ADDM, ASH, SQL Trace/TKPROF, execution plans, SQL Profiles, SQL Plan Management, indexing, partitioning, compression, cross-layer diagnosis
- **Data Warehouse**: Kimball & Inmon, star and snowflake schemas, SCD, bus matrix, PL/SQL ETL/ELT, ODI, OWB, Oracle Analytics Cloud
- **Cloud**: Oracle Cloud Infrastructure, Autonomous Database, AWS Aurora PostgreSQL, Azure Database
- **Leadership**: distributed teams of 3–7 people, Agile/Scrum, ~10+ projects across 9 years (€100K–€500K), Jira, MS Project, Git/GitHub, mentoring and technical training

EXPERIENCE

IDEA DB CONSULTING S.R.L. — Founder · Technical Leader, databases & DWH · 2022 – Present

- **SILICONDEV → POSTE ITALIANE** (Jul 2025 – present): Senior Database Consultant; ~1,500 MySQL and PostgreSQL instances across production, certification and development; query tuning, replication, capacity planning at enterprise scale.
- **Generali Assicurazioni** (Feb 2024 – May 2025): Oracle DBA, performance tuning and DWH project lead on 500 GB–8 TB databases; technical coordination of the development team; direct client interface on requirements and scope.
- **Atradius**, Surety division (2022 – 2026): DWH architect and PM lead; unified Oracle DWH for 4 European countries (Italy, Spain, France, Northern Europe), 60,000+ lines of PL/SQL, daily load under 2 hours.
- **Other Banking, Telco and payments clients**: batches from 4 h to under 30 min; ETL/ELT from 15+ sources on 2B+ rows; PostgreSQL DWH design as a cost-effective alternative to Oracle.

Freelance consultant — Project Manager & Senior DWH Consultant · Oracle DBA · Performance Tuning · DWH Architect · 2013 – 2022

- **FAI Service** (2021 – 2023): snowflake data model on Oracle Analytics Cloud, ETL on Oracle 19c in OCI. *(contract transitioned to IDEA DB CONSULTING from 2022 with contract novation)*
- **LISCOR → Finwave, Gruppo Lutech** (2020 – 2023): Oracle DBA in the financial sector; advanced PL/SQL and query optimisation for applications with millions of daily transactions. *(contract transitioned to IDEA DB CONSULTING from 2022 with contract novation)*
- **NIMIS → Huawei → for TIM** (2020 – 2022): Senior Oracle DBA and Performance Tuning Expert; 30+ critical Oracle databases (67+ instances) on 3- and 5-node Exadata clusters; ingestion up to 800M records/day, SLAs under 500 ms, 24/7 on-call; prepaid mobile services for 20M+ users; ASM and TDE. *(contract transitioned to IDEA DB CONSULTING from 2022 with contract novation)*
- **DatabTech, Milan** (2018 – 2021): Oracle DBA and DWH Architect for Allianz and Mediobanca; migration of Oracle Data Integrator (ODI) projects from version 10g to 12c.
- **Other Banking, Insurance and Telco clients** (2013 – 2018): ETL/ELT pipelines up to 500M rows per load cycle; Oracle Data Guard HA/DR; SQL performance tuning and Kimball/Inmon DWH design; teams of 3–7 in distributed multicultural settings, iterative Agile, budgets €100K–€500K.

Earlier career · 1997 – 2013

- **Auselda AED Group** (2009 – 2013): DWH architect and Oracle project DBA for the Italian public sector.
- **Oracle Italia** (Jul 2000 – Apr 2009): DWH architect, senior Oracle DBA, SQL & PL/SQL developer and Training Specialist for reference clients in Telco (TIM, Vodafone Italy, Vodafone Spain, TRE), Finance & Insurance (Bank of Italy, Generali, RAS) and Pharma (Menarini); international engagement in Madrid on Vodafone Spain; Oracle Product Specialist on Oracle Warehouse Builder (OWB); Training Specialist 2000–2001 at Oracle University Italy on SQL, PL/SQL, Oracle DBA, Performance & Tuning, Discoverer, Forms, Reports.
- **Etnoteam** (1999 – Jul 2000) and **S.EL.DAT.** (1997 – 1999): software development and junior Oracle DBA.

EDUCATION & LANGUAGES

- Computer Engineering studies (Software Engineering), Roma Tre University, 1994 – 2000 · Scientific high school diploma, 1993
- Italian (native) · English C1/C2 · Spanish C1 · Romanian C1 · French A2

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