

Ivan Luminaria

Oracle PL/SQL Developer & SQL Performance Tuning Expert

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PROFESSIONAL PROFILE

Senior Oracle PL/SQL Developer with nearly 30 years of experience in designing, developing, testing, and optimizing robust and efficient PL/SQL code for data-intensive applications and Data Warehouse systems. Deep expertise in creating complex packages, procedures, functions, triggers, and types, with a constant focus on performance, maintainability, and code quality. Expert in optimizing complex SQL queries and managing large volumes of data. Skilled in translating business requirements into high-performing and scalable application logic within the Oracle database. Consolidated background also as an Oracle DBA and DWH Architect, providing a comprehensive view of the data lifecycle.

TECHNICAL SKILLS — Oracle PL/SQL Development

- **Languages:** PL/SQL (Advanced), SQL (Advanced, including Dynamic SQL, Analytic Functions, CTEs).
 - **PL/SQL Development:**
 - Packages, Procedures, Functions, Triggers.
 - PL/SQL Data Types (Records, Collections, Object Types).
 - Error and Exception Handling.
 - Bulk Processing (FORALL, BULK COLLECT).
 - Dynamic SQL (DBMS_SQL, Execute Immediate).
 - PL/SQL Code Optimization (incl. use of PL/SQL Hierarchical Profiler).
 - Interaction with Database Objects (Tables, Views, Sequences, Synonyms).
 - **SQL Optimization & Performance:**
 - Execution Plan Analysis (Explain Plan), SQL Trace, TKPROF.
 - SQL Tuning Techniques (Hints, Query Rewriting, Indexes).
 - Understanding the impact of database design on PL/SQL performance.
 - **Development Tools:** SQL Developer, Toad, SQL*Plus.
 - **Oracle Database:** Oracle Database (from 8i to 21c, Autonomous Database).
 - **Related Concepts:** Data Warehousing (ETL/ELT logic development), Data Integration, Relational and Multidimensional Data Modeling.
 - **Version Control:** Git, GitHub.
 - **Scripting:** Unix Shell Scripting (for deployment automation and script management).
 - **Cloud:** Oracle Cloud Infrastructure (OCI) — knowledge of database services.
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WORK EXPERIENCE

IDEA DB CONSULTING S.R.L. | Rome, Italy (Full Remote Europe)

Senior Oracle PL/SQL Developer & DWH Architect | 2022 – Present

- **PL/SQL Developer** (for ATRADIUS) | 2022 – 2026:

- Developed and maintained over 60,000 lines of PL/SQL code (packages, procedures, functions) for the Surety division Data Warehouse, consolidating insurance claims and credit data from Italy, Spain, France, and Northern European countries.
 - Designed reusable PL/SQL templates for data loading procedures — standardized the internal ETL workflow with built-in checkpoints for real-time tracking and monitoring of data flows, enabling junior developers to follow a consistent, repeatable pattern.
 - Implemented real-time load monitoring via custom PL/SQL logging packages, providing instant visibility on ETL pipeline status and error handling across all loading stages.
 - Optimized batch processing performance: reduced full daily ingestion cycle from 4+ hours to under 2 hours through query rewriting, BULK COLLECT/FORALL patterns, and partition-aware DML.
 - **PL/SQL Developer** (for FINWAVE S.p.A.) | 2020 – 2022:
 - Developed PL/SQL packages for financial transaction processing applications handling millions of daily operations across banking and insurance clients.
 - Advanced query optimization and PL/SQL code tuning for high-volume financial data pipelines.
 - **PL/SQL Developer** (for FAI SERVICE) | 2021 – 2023:
 - Developed ETL procedures in PL/SQL on Oracle 19c/OCI for billing statistics, customer segmentation, and cost/revenue tracking data flows.
 - Built PL/SQL modules feeding Oracle Analytics Cloud dashboards with aggregated financial KPIs.
 - **PL/SQL Development** (Banking, Telepass, and other clients):
 - Developed PL/SQL business logic packages for banking-sector DWH applications, processing datasets exceeding 2 billion rows.
 - Optimization of existing PL/SQL code and SQL queries — applied Hierarchical Profiler analysis to identify bottlenecks and improve critical path execution times.
 - Collaborated with development teams and functional analysts for requirements definition and PL/SQL-based solution design.
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NIMIS CONSULTING S.R.L. | Rome, Italy (Full Remote)

Senior Oracle DBA & Performance Expert with Development Focus (for TIM / HUAWAI) | 2020 – 2022

- Provided specialist support to development teams in optimizing PL/SQL code and SQL queries for critical applications on Exadata databases.
 - Analysis and tuning of high-volume PL/SQL batch processes.
 - Development of PL/SQL scripts for monitoring and administration tasks.
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FREELANCE / INDEPENDENT CONSULTANT | Rome, Italy (Full Remote Europe)

Senior Oracle PL/SQL Developer & DBA / DWH Architect | 2013 – 2020

- Design and development of custom PL/SQL solutions for various clients, including packages for ETL logic, data processing procedures, and PL/SQL APIs.
 - Intensive optimization of PL/SQL and SQL code to improve the performance of existing systems.
 - Development of PL/SQL modules for extracting, transforming, and loading (ETL) data into DWH systems.
 - Training and mentoring junior developers on PL/SQL development best practices.
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AUSELDA AED GROUP S.P.A. | Rome, Italy

Oracle PL/SQL Developer & DWH Specialist (for Public Administration) | 2009 – 2013

- Development of PL/SQL components for Data Warehousing systems and management applications for Public Administration.
 - Evolutionary and corrective maintenance of PL/SQL code.
 - Optimization of ETL processes based on PL/SQL and OWB.
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ORACLE ITALIA S.R.L. | Various Locations, Italy & Madrid, Spain

SQL & PL/SQL Developer / DWH Architect / DBA / Training Specialist | 1999 – 2009

- **PL/SQL Development Roles (significant and increasing):** Intensive PL/SQL code development for DWH, BI, and custom application projects for enterprise clients in various sectors (Telco, Finance, Pharmaceutical).
 - Creation of PL/SQL packages for complex business logic, data loading procedures (ETL) with Oracle Warehouse Builder and PL/SQL.
 - Development of BI Reports and HTMLDB (Apex) interfaces with PL/SQL logic.
 - **As Training Specialist (2000-2001):** Delivered Oracle SQL (Basic and Advanced) and PL/SQL (Basic and Advanced) courses.
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ETNOTEAM S.P.A. | Rome, Italy

Web Developer / Oracle SQL & PL/SQL Developer | 1999

- Development of web portals and client-server applications with strong interaction with Oracle databases, using SQL and PL/SQL for backend logic.
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S.EL.DAT. S.P.A. | Rome, Italy

Software Developer / Junior DBA | 1997 – 1999

- Development of client-server applications with Oracle backend; initial experiences with SQL and PL/SQL.
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EDUCATION AND TRAINING

- **Faculty of Computer Engineering (Software Engineering)** | University of Rome Tre, Rome | 1994 – 2000
- **Scientific High School Diploma** (EQF Level 4) | Liceo Scientifico Isacco Newton / Manieri Copernico, Rome | 1988 – 1993
- **Advanced English (C1/C2)** | The British Council (Level 4A), Rome | 2003 – 2004

Selected Training and Continuing Education Courses:

- Scrum Agile — Randstad/Forma.temp (May 2024)
- Project Management — Randstad/Forma.temp (May 2024)
- Data Wrangling, Analysis and AB Testing with SQL — Coursera, University of California Davis (April 2021)

- Advanced SQL for Query Tuning and Performance Optimization — LinkedIn Learning (August 2020)
 - Multiple Oracle 12c specialization courses (Advanced SQL, New Features) — LinkedIn Learning (2020)
 - Learning Git and GitHub — LinkedIn Learning (August 2020)
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LANGUAGES

- **Italian:** Native
 - **English:** C1/C2 (Fluent, professional)
 - **Spanish:** C1 (Fluent)
 - **Romanian:** C1 (Fluent)
 - **French:** A1/A2 (Basic)
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SOFT SKILLS

- Analytical Approach and Orientation to Solving Complex Problems
 - Writing Clear, Efficient, and Maintainable Code
 - Advanced Debugging and Troubleshooting Skills
 - Excellent Understanding of Functional and Technical Requirements
 - Effective Collaboration in Development Teams
 - Attention to Detail and Software Quality
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HOBBIES AND INTERESTS

Chess, Reading, Cooking, Guitar, Saxophone, Foreign Languages, Photography, Drawing.

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Rome, March 2026