

# ORACLE TEAM RESUME



## TEAM PROFILE

At Pythian, we have some of the best, most respected Oracle professionals in the industry, available on-demand to support and optimize your most complex, challenging, and mission-critical Oracle environments. As industry pioneers and thought leaders, we participate in beta programs, customer advisory boards, and partner advisory programs. With Pythian onboard, you'll work with top industry DBAs, who consistently deliver the highest standards of technical competence, client responsiveness, service continuity, reliability, and business value.

## SKILLS AND EXPERIENCE

- Data migration into and across cloud vendors - OCI, OCI-C, Azure, AWS, GCP.
- Cloud architecture and cloud database performance optimization
- High availability
- Performance tuning
- Performance evaluations and benchmarking
- Infrastructure planning
- Consolidation evaluations and implementation
- Physical replication (local, cross-site, and DR)
- Logical replication
- Application-to-database interaction
- Capacity planning
- Database and data center migrations
- Database upgrades and backups
- Data mining and reporting
- Data modeling
- Data warehousing
- Oracle support liaison
- Security assessments
- Logical and physical database design, installation, configuration, and maintenance
- Proof of concept
- Partitioning
- PL/SQL development support
- Problem resolution and root-cause analysis
- Replication solutions
- Review and development of backup and disaster recovery strategies

## AREAS OF EXPERTISE

### Engineered Systems

- Oracle Exadata
- Oracle SPARC-based systems and SuperCluster
- Oracle Database Appliance
- Oracle Big Data Appliance
- Cloud (Oracle Cloud ~ OCI, OCI-C, Amazon Web Services, Microsoft Azure, Google GCP)

## Oracle Core Technology

- Oracle RDBMS core support
- Oracle Real Applications Cluster (RAC)
- Oracle Real Application Testing
- Oracle Enterprise Manager Cloud Control
- Oracle Data Guard
- Oracle GoldenGate (OGG)
- Oracle Automatic Storage Management
- Oracle Multitenant

## Oracle Apps

- Oracle E-Business Suite

## Fusion Middleware

- Oracle WebLogic
- Oracle Identity & Access Management
- Oracle BI Enterprise Edition (OBIEE)
- Oracle BI Apps (OBIA)
- Oracle Data Integrator (ODI)

## Cloud

- Oracle Cloud Infrastructure: OCI & OCI-C
- AWS EC2
- AWS RDS
- Microsoft Azure
- Google GCP

## CERTIFICATIONS

Our Oracle database consultants are active community members, who hold multiple certifications and designations, including:

- Oracle Certified Master
- Oracle Certified Professional
- Oracle Certified Expert
- Oracle Certified Associate
- Oracle ACE, ACE Director, and ACE Associate

## SPECIALIZATIONS

Pythian is an Oracle Partner in the Oracle Partner Network (OPN) and has achieved specializations in the following areas as a demonstration of business and technical competency as an Oracle partner:

- Oracle Database
- Oracle Exadata
- Oracle Real Application Clusters
- Oracle Enterprise Linux

- Oracle Enterprise Manager
- Oracle GoldenGate
- Oracle Data Warehousing
- Oracle Database Performance Tuning

## INDUSTRY RECOGNITIONS AND AWARDS

- Oracle North America Titan Award for Oracle Exadata
- Best conference white paper - Oracle Identity Management (SAOUG)
- Best new overseas speaker (UKOUG)
- Best UK speaker (UKOUG)
- IOUG SELECT Journal article of the year

## COMMUNITY CONTRIBUTIONS

### Select Conference Speaking Engagements

- Pythian has presented hundreds of papers, articles, and sessions on Oracle-related technology worldwide, such as Oracle OpenWorld, UKOUG, DOAG, AUSOUG, OAUG, NoCOUG, COLLABORATE, RMOUG and many more.
- Technology Network
- Quest Oracle Community Database and Technology Advisory Board
- Oracle Customer Security Advisory Board
- Organizers of OTN Latin America Tour
- Participated in Oracle special interest groups: Oracle Exadata SIG & Oracle RAC SIG
- Organizers of OTN EMEA Tour
- The Technical Blog on Pythian.com is home to a large amount of Oracle content by some of the industry's leading Oracle experts

## SAMPLE PRESENTATION TOPICS

- Operate your Oracle Cloud Infrastructure from the command line
- Automate the operation of your Oracle Cloud Infrastructure
- Oracle Exadata Cloud Services guide from practical experience
- Using SSL in the Oracle Database without surprises
- Machine Learning
- Oracle Exadata Architecture
- Huge Pages - what, why & how
- Provisioning Oracle environments using Vagrant
- Oracle 18c - managing
- Exadata Patching - 18c and in the cloud
- Oracle Security - make your Oracle database more secure right now!
- Oracle SOA and Business Agility
- DATUM & Oracle--SOA/BPM
- Workshop on Database Vault and Oracle BI
- Oracle Performance Tuning
- SQL Plan Management

- DevOps for Oracle DBAs
- Streaming Oracle to Apache Kafka

## **PUBLISHED ARTICLES AND BOOKS**

- Authors, editors, and contributors to numerous published books on Oracle-related topics
- Published multiple articles in IOUG Select Journal, Database Trends and Applications magazine, NoCOUG Journal, Oracle Profit Magazine, Oracle Magazine, and many more.

## **AVAILABILITY PROJECTS**

- Implemented Oracle Data Guard backup and recovery strategies and methods using the native RMAN tool to ensure business continuity and protection of critical data, saving \$10 million by retiring a vendor tool.
- Provided Oracle database patches/upgrades with zero downtime using GoldenGate for a money movement service while providing a real-time reporting database and application entry points with no impact to online users.
- Implemented an Oracle disaster recovery solution for the core production system of a leading western European bank.
- Created a bi-directional replication solution using Oracle GoldenGate for high availability to support a single sign-on application used by internal and external customers.
- Performed a business-continuity plan switchover of a production database to a new colocation for an advertising application development company, which involved installing Oracle software and setting up a physical standby database. The old colocation facility was decommissioned after the new disaster-recovery site came into operation.
- Developed an automated data pump export solution in Oracle APEX.
- Designed and automated a non-managed physical standby environment for an Oracle database using shell scripting, RMAN, rsync, and cron jobs.

## **COST-SAVING PROJECTS**

- Optimized client's Oracle environment to ensure they complied with their licensing requirements.
- Automated EBS data fixes using Jenkins and Liquidbase.
- Performed a massive database upgrade and migration quickly with minimal downtime for a large manufacturing organization, saving them more than \$1 million in annual maintenance costs, beating their downtime window by 4 hours, improving business process speeds by 4x, and increasing capacity by 60%.
- Helped a company save approximately \$4million on storage, licensing, support, and administration by consolidating disparate application databases and legacy systems to an enterprise data warehouse.

- Designed and implemented a data archiving solution for a warehouse system, saving thousands of dollars in storage costs and improving performance.

## PERFORMANCE PROJECTS

- Optimized and maintained an Oracle environment with performance tuning of initialization parameters, disk I/O, and CPU utilization.
- Remotely tuned multi-TB Oracle databases, which solved problems created by widely varying data volumes, distributions, workloads, configuration and transactions per second rates. Created ad-hoc database triggers to pinpoint the source of logical data corruption and initiators of poorly constructed or rogue queries.
- Designed and implemented an order revalidation system using Java, Oracle Database, and Oracle EBS for a leading developer and supplier of automatic test equipment. Upgraded the Oracle E-Business Suite including migration of the middle tier improving performance by 20%.
- Analyzed critical performance of all Oracle databases and applications, query optimization, parameter analysis and testing, reorganization, physical tuning, and memory contention for a major European telecom provider.
- Made use of intelligent automation tools and processes to remotely monitor and manage a business-critical Oracle environment encompassing 300+ RAC & NON-RAC instances for a leading retailer.
- Designed and maintained a six-node active-active GoldenGate replication cluster for a mission-critical point-of-sale system for a large financial institution.
- Performed a one-week engagement with a large financial corporation that led to them meeting SLAs following an upgrade.
- Cloud specific database performance investigations to remediate unexpected performance regressions unique to cloud implementations.
- Cloud performance and price point comparisons looking for optimal cloud implementations considering everything from fully managed DB Services in Oracle Cloud Infrastructure to IaaS solutions in third party clouds

## SECURITY PROJECTS

- Provided special expertise and practical assistance in the investigation, evaluation, and interpretation of master data to ensure coherence, availability, accuracy, and security to meet information system requirements as part of an enterprise data integration project.
- Numerous security assessment and database security hardening (“lock-down”) projects helping customers align with internal policies and external regulatory requirements.

## MIGRATION AND UPGRADE PROJECTS

- Designed and implemented a cascading disaster recovery scenario between Exadata environments.
- Containerized EBS environment using cloud environments - OCI, using ExaCS

and VM database systems.

- Designed and developed an automated-build pipeline for database provisioning using Ansible to help a customer migrate hundreds of databases across platforms and data centers to one standardized platform under tight deadlines.
- Evaluated migration tools and then developed, tested and executed a plan to migrate a Primavera P6 installation from SQL Server to Oracle. The final solution required extensive knowledge of SQL scripts, the Oracle data dictionary, triggers, referential integrity, enabling/disabling constraints, SQL Server, Visual Basic, and Oracle's LOB data types.
- Migrated databases from 2K to a more efficient 8K block size for three mission-critical application databases. This migration also included character set changes and an Oracle database version upgrade.
- Migrated Oracle Database for a global manufacturer of heavy equipment.
- Designed, implemented, and maintained the business-critical Oracle database grid infrastructure for a national mobile carrier in Macedonia.
- Upgraded complex multi middle-tier Oracle E-Business Suite (EBS) with more than 150 boundary systems, from 11.5.10.2 to 12.2.5. This Oracle EBS database is a 4-node Oracle Real Application Cluster Database, which was upgraded from 11.2.0.4 to 12.1.0.2 as part of the same project. Eliminated the need of Oracle Access Manager (OAM) setup for EBS Single Sign-on (SSO) feature by implementing a custom solution, which integrates Oracle EBS directly with their in-house SSO. This saved the client over \$1 million in OAM licensing costs and even more in operating costs.
- Unique cross-endian migration and concurrent upgrade of multi-terabyte database via highly automated database link solution with minimal downtime.

## SELECT CLIENTS

- Canadian Resident Matching Service
- CGI Group Inc.
- Commerz Finanz GmbH
- Crexendo, Inc.
- Data Commons
- Delmar International
- Digital River
- Essar Steel Algoma
- Fox Sports
- FreshDirect
- Giant Tiger
- Grasshopper
- InPho
- MindGeek
- Nordion
- OneCall Inc
- Quickplay Media Inc.
- Rakuten LinkShare
- Radialpoint Safecare Inc
- University of Utah Health Care
- Worldwide Technologies

Founded in 1997, Pythian is a global IT services company that helps organizations transform how they compete and win by helping them turn data into valuable insights, predictions and products. From cloud automation to machine learning, Pythian designs, implements and supports customized solutions to the toughest data challenges.