



MUKESH N ASTHANA

Database Architect | Oracle & PostgreSQL Modernization, Performance Tuning & Large-Scale Migrations
Telecom • ERP • Finance • Travel

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PROFESSIONAL SUMMARY

Technical Architect with 18+ years of experience designing, optimizing, and modernizing Oracle and PostgreSQL enterprise systems across the Telecom, ERP, Finance, and Travel domains. Deep expertise in PL/SQL, PostgreSQL performance tuning, partitioning, automation, and large-scale migrations, backed by proven leadership of 20+ member cross-functional teams. Delivered high-impact solutions for global clients including Telefónica Germany and Xerox USA, achieving measurable gains in performance, stability, and cost optimization, with progressive experience in enterprise Application Support, Production Operations, Service Delivery, and ITIL-aligned Incident, Problem, Change, and Release Management across Telecom ERP, Finance, and Travel domains. Lead end-to-end Application Support, Production Operations, and Service Delivery for MNC's across Oracle, PostgreSQL, and other applications.

TECHNICAL SKILLS

Databases	Oracle 9i / 10g / 11g / 12c PostgreSQL (Performance Tuning, Partitioning)
Backend & Programming	PL/SQL SQL Python (Automation, Monitoring) UNIX Shell Scripting JavaScript
Middleware & Reporting	Oracle Forms & Reports (6i-12c) WebLogic Fusion Middleware Power BI Crystal Reports Informatica 9
Architecture & Optimization	Query Optimization Indexing Strategies Data Modeling (Logical & Physical) High-Volume Transaction Systems
Tools & Collaboration	Jira Confluence DBeaver pgAdmin ServiceNow
Compliance & Security	SOX Compliance ISRA Audit Logging Disaster Recovery DevSecOps

PROFESSIONAL EXPERIENCE

Wipro Technologies Ltd.

Aug 2019 – Present

Technical Architect

Client: Telefónica Germany (Jul 2024 – Present)

- Architected and optimized **PostgreSQL and PL/SQL**-based systems supporting large-scale telecom operations.
- Reduced month-end processing and Power BI dataset refresh time by **70%** through indexing, partitioning, and query refactoring.
- Designed **Python automation scripts** for log analysis and reporting, reducing manual effort by **80%**.
- Led a **20-member team** across development, support, and optimization tracks.
- Managed migrations, server relocations, and performance stabilization with **near-zero downtime**.
- Served as the single technical point of contact for business stakeholders and partners.

Client: Xerox USA (Aug 2019 – Jul 2024)

- Led the complete application support and enhancement lifecycle for large enterprise systems — development, testing, deployments, production support, and migration from **Oracle 11g Forms & Reports to Oracle 12c Fusion Middleware**; managed a 10-member team and 10+ global partners with **zero SEV-1 incidents for 5+ years**.
- Acted as primary client-facing consultant driving stakeholder communication, change management, and escalations; contributed to acquiring **\$300K in additional business**, improved client satisfaction by 25%, and increased retention by 40%.
- Designed and optimized complex Oracle solutions (data modeling, PL/SQL, performance tuning, partitioning, high-volume transaction processing), achieving up to **30% performance improvement**; automated operations with PL/SQL and UNIX shell scripting, saving **15+ hours per week**.
- Implemented **SOX compliance, ISRA, audit logging, and disaster recovery drills**, improving reliability and reducing security risk by 50%; ensured quality through rigorous RCA, monitoring, and release management.

Birlasoft Ltd.

Jul 2013 – Aug 2019

Technical Lead / Consultant

- Led the complete application lifecycle — enhancements, production support, testing, releases, and migrations; managed a **10-member team** and coordinated with 10+ business stakeholders while ensuring SLA compliance.
- Led migration from **Oracle 11g Forms & Reports to Oracle Fusion Middleware 12c**, including technical planning, risk mitigation, deployment, and stakeholder communication; directed server/application relocations with minimal downtime.
- Owned logical and physical data modeling, **PL/SQL architecture, performance tuning** (indexing, partitioning, cursors), and complex SQL development; automated operations with PL/SQL and UNIX shell scripts, reducing processing time by **30%** and manual effort by 15+ hours/week.
- Owned design documents, effort estimation, release planning, and RCA; finalized test plans, deployment artifacts, and KT documentation.
- Established monitoring, log analysis, and alerting across databases and WebLogic servers; handled production incidents via **ServiceNow** within SLA and eliminated recurring defects, reducing downtime by 40%.
- Implemented SOX compliance, ISRA remediation, audit logging, DR drills, SSL and code-signing, and access-control processes (PEER/SAR), reducing security risk exposure by 50%.

TI Infotech

Mar 2011 – Jul 2013

Senior Developer

- Built ERP solutions for global travel clients including **TUI Travels, Cox & Kings, and LPTI**.
- Developed and amended Oracle Forms per divisional requirements.
- Built database objects — packages, procedures, functions, triggers, cursors, tables, and views.
- Created multiple interfaces, reports, and DB objects providing real-time itinerary and booking visibility to all stakeholders, driving a **30% increase in client bookings**.

Neo Invensys Solutions Pvt. Ltd.

Dec 2007 – Mar 2011

ERP Consultant

- Implemented Oracle ERP modules across manufacturing clients (SPM, MAHLE, Mega Forge).
- Delivered training to **50+ users**, improving operational efficiency and reducing system downtime by 25%.
- Worked across ERP modules including Sales & Marketing, Finance, Excise, Purchase, Distribution & Transportation, Gate & Inventory, Quality Control, Service & Maintenance, and Payroll.

EDUCATION & CERTIFICATIONS

- MCA (Master of Computer Applications), 2007
- BIT (Bachelor of Information Technology), 2004
- Certified Wipro People Manager, 2026
- Wipro ACE Certificate — 83%, 2025
- Oracle Certified Foundation Professional, 2023
- Oracle 9i SQL Certified, 2008
- Training: DevSecOps, Application Security, Python Data Science, Power BI

AWARDS & RECOGNITIONS

- **Habit Flagbearer Award** — Wipro and client Telefónica Germany, 2025.
- Participated in 26 Top Gear challenges, winning 23 (2021–2026).
- **'Nurturing Champ' Xcalibur Award** — Customer Charmer (Delivery Category), Wipro, 2020.
- Recognized as most dependable team member by manager and client at Xerox, every year.
- **'Employee of the Quarter'** — Birlasoft and TI Infotech, 5 times.
- Individually recognized by senior client management in VOCs.