

Edwin Rice

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SUMMARY

Oracle Database Architect with 11 years of experience leading enterprise database architecture, administration, security, integration, and performance work across hybrid cloud and mission critical environments. Builds and supports **Oracle Database 19c** platforms on OCI, AWS, and on premises infrastructure, with hands on command of PL/SQL, OIC, RMAN, Data Pump, **Oracle Net Services**, OEM, AWR, OPatch, and datapatch. Leads migrations, recovery planning, **capacity management**, **root cause analysis**, and corrective action for complex database services. Applies STIG controls, Unified Auditing, encryption, authentication, roles, privileges, and profiles to protect sensitive systems. Mentors engineers, guides architecture decisions, maintains technical documentation, and partners with application and integration teams to deliver reliable services. Active Secret clearance and Security+ certification support secure mission delivery across distributed operations.

EXPERIENCE

Lead Oracle Database Architect

January 2023 - Present

Northstar Mission Systems

San Antonio, TX

Leads Oracle architecture, security, integration, recovery, and performance operations across OCI, AWS, private infrastructure, and mission applications. Provides technical direction for engineers and integration teams while setting design standards, documenting platforms, and resolving production risks.

- Directed **OCI** and **AWS** architecture for mission applications, improving platform alignment across private infrastructure
- Designed Oracle 19c **PL/SQL** workflows for multi cloud integration and consistent application processing
- Tuned AWR workloads and **execution plans**, reducing recurring performance incidents through targeted corrective changes
- Governed RMAN recovery procedures and capacity plans, strengthening restore readiness across critical databases
- Applied STIGs and **Unified Auditing** across accounts, privileges, profiles, authentication, and encryption controls
- Mentored engineers through OCI and **OIC** reviews, accelerating root cause analysis during production incidents

Senior Oracle Database Engineer

June 2020 - December 2022

Blue Mesa Federal Technologies

Austin, TX

Managed **Oracle database** engineering for production platforms, SCM applications, connected services, and hybrid cloud operations. Delivered installations, upgrades, migrations, patching, monitoring, connectivity support, and incident remediation while guiding reliable release practices.

- Administered Oracle installations and migrations, using **Data Pump** for controlled production environment transitions
- Built PL/SQL workflows for **Oracle SCM**, preserving data consistency across connected services and application releases
- Configured **Oracle Net Services**, listeners, TNS, and **service registration**, restoring hybrid connectivity during incidents
- Executed Oracle **Release Updates** with OPatch and datapatch, validating prerequisites before production deployment
- Operated OEM agents and automated jobs, improving monitoring coverage through thresholds and actionable alerts
- Remediated AWS incidents across EC2, CloudWatch, RDS, and S3 with coordinated database recovery actions

Oracle Database Administrator

August 2017 - May 2020

Cedar Ridge Technology Group

Colorado Springs, CO

Maintained secure Oracle production and nonproduction environments supporting enterprise applications. Owned diagnostics, storage, recovery testing, account governance, and RHEL automation, with emphasis on stable operations and documented corrective action.

- Diagnosed Oracle incidents with **alert logs** and operating system evidence, delivering corrective changes for stability
- Managed tablespaces, datafiles, **redo logs**, and **archive logs**, controlling storage risks through capacity reviews
- Configured **RMAN** schedules and recovery tests, documenting procedures for repeatable restoration readiness
- Administered accounts, **privileges**, profiles, auditing, and STIG aligned controls across database environments
- Used **RHEL** and Bash for cron, services, permissions, ownership, profiles, and maintenance automation

Database Administrator

November 2015 - July 2017

Prairie Sky Solutions

Omaha, NE

Supported Oracle and **Microsoft SQL Server** administration for business applications and shared infrastructure. Handled installation, monitoring, backup, migration, troubleshooting, performance review, and operational documentation across recurring database services.

- Supported Oracle **installation** and monitoring, maintaining dependable database services for business applications
- Investigated SQL performance with **execution plans** and statistics, recommending focused corrections for slow workloads
- Maintained **listeners** and **TNS** settings, resolving connectivity failures across application and database environments
- Performed Data Pump exports and imports, supporting migrations and environment refreshes with documented controls

- Supported SQL Server backup, recovery, patching, security, and troubleshooting during scheduled maintenance
- Created **Bash** utilities and runbooks for recurring checks, backup verification, and log review

PROJECTS

Hybrid Oracle Mission Platform 📅 2024

Led architecture alignment across OCI, AWS, and private infrastructure for mission database services. Connected recovery planning, security controls, monitoring, and integration support into a practical operating model for distributed teams.

Oracle Recovery Readiness Program 📅 2022

Strengthened RMAN backup validation, restore testing, and point in time recovery practices across critical databases. Clear procedures gave engineers a dependable path during high pressure incidents.

LEADERSHIP & AWARDS

- Recognized by mission systems leadership for dependable Oracle architecture guidance across hybrid infrastructure.
- Selected to mentor database and integration engineers through production troubleshooting and architecture reviews.
- Received team recognition for improving recovery procedures, monitoring practices, and secure database operations.

EDUCATION

Bachelor's Degree in Computer Information Systems

2015

University of Nebraska at Omaha GPA: 3.5

Omaha, NE

***Coursework:** Database administration, systems analysis, information security, programming*

CERTIFICATIONS

- CompTIA Security+ 📅 2024
- Oracle Database Administration 2019 Certified Professional 📅 2021

TECHNICAL SKILLS

- **Oracle Database:** Oracle Database 19c, PL/SQL, Oracle SCM
- **Oracle Cloud:** OCI, Oracle Integration Cloud, Oracle Cloud Infrastructure
- **AWS Services:** EC2, CloudWatch, RDS, S3
- **Backup Recovery:** RMAN, Data Pump, point in time recovery
- **Oracle Networking:** Oracle Net Services, listeners, TNS
- **Performance Tools:** AWR, execution plans, alert logs
- **Oracle Patching:** OPatch, datapatch, Release Updates
- **Oracle Monitoring:** OEM, agents, automated jobs
- **Database Security:** STIGs, Unified Auditing, encryption
- **Linux Administration:** RHEL, Bash, cron
- **Microsoft Databases:** SQL Server, backup, recovery
- **Storage Management:** tablespaces, datafiles, redo logs

SKILLS

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|-------------------------------|--------------|-----------------------------|-----------------------|
| • Oracle Database 19c | • AWS EC2 | • Oracle Net Services | • datapatch |
| • PL/SQL | • CloudWatch | • Oracle Enterprise Manager | • RHEL Administration |
| • Oracle Cloud Infrastructure | • RMAN | • AWR Reports | • Bash Scripting |
| • Oracle Integration Cloud | • Data Pump | • OPatch | |

PROFESSIONAL AFFILIATIONS

- Active contributor to enterprise database architecture reviews and technical design standards.
- Mentor for database engineers and integration specialists supporting secure mission applications.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST