



THE ROB ROCKEFELLER STANDARD CARBON LLC
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EIN: 93-4657669 | Delaware LLC Reg. No. 6714331

CURRICULUM VITAE

RRSC AI Center Nepal · Senior Profile

Upahar Kumar Joshi

Database Administrator

Oracle / MS SQL Expert

Former: Database Administrator



PROFESSIONAL SUMMARY

Microsoft and Oracle Certified Database Administrator with 25 years of experience managing and optimizing enterprise databases for national and government projects. Expert in database design, performance tuning, backup and disaster recovery, and security compliance. Proven ability to handle large-scale, mission-critical systems while ensuring high availability, data integrity, and regulatory adherence. Strong hands-on experience with Oracle, SQL Server, and PostgreSQL, along with a track record of supporting complex applications and leading data management initiatives. Collaborative professional skilled in working with cross-functional teams to deliver reliable, efficient, and secure database solutions.

EXPERTISE

- Install, configure, and manage Oracle Database across development, testing, and production environments.
- Perform database architecture design, capacity planning, and performance tuning for high-availability systems.
- Manage database security, user roles, privileges, and auditing to ensure data protection and compliance.
- Implement backup and recovery strategies using RMAN and other Oracle tools to ensure data integrity and disaster recovery.
- Monitor database performance using Oracle Enterprise Manager and optimize SQL queries for efficiency.
- Manage Data Guard, RAC (Real Application Clusters), and replication for high availability and fault tolerance.
- Perform patching, upgrades, and migration of Oracle database versions with minimal downtime.
- Troubleshoot database issues, deadlocks, and performance bottlenecks in production environments.

MAJOR PROJECTS

- **Project Name: Consulting Services to Provide Managed Support Services on Application/System (IPFMS, FMIS/MFMIS, E-payment, RMIS, PAMS & SuTRA):** Client: Financial Comptroller General Office, Nepal, working as Database Administrator (DBA).
- **Project Name: Enterprise Level Web Based Integrated Tax System (ITS) Systems:** Client: Inland Revenue Department, Nepal, worked as Database Administrator (DBA).
- **Project Name: BankPro (A centralized core banking system)** worked as Database Administrator (DBA).

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CURRICULUM VITAE — UPAHAR KUMAR JOSHI — CONTINUED

EDUCATION

Master of Science in Engineering — Automatized System of Information and Management Processing (1995), Tajik Technical University, Dushanbe, USSR.

CERTIFICATIONS

- Oracle Database 10g Administrator Certified Professional
- Oracle Database 10g Administrator Certified Associate
- Microsoft Certified IT Professional, Database Administrator
- Microsoft Certified Technology Specialist, SQL Server 2005

CENTRE AFFILIATION

The above professional operates within the RRSC AI Center Nepal — the wholly-affiliated Global Innovation Hub of The Rob Rockefeller Standard Carbon LLC for Artificial Intelligence, Cybersecurity, and Digital World, located in Lalitpur. The Centre operates from a 5,000+ sq. ft. dedicated facility staffed by 50+ certified IT engineers and 15 senior managers, with 200+ cumulative professional years and 14+ years of institutional delivery, under ISO 9001:2015 certification.

OPERATING FRAMEWORK

- **Strategic direction:** the Centre operates under the global strategic direction of the RRSC AI & Defense Division (Milan, Italy), reporting to the Group's Chief of Staff for AI, Cybersecurity, and Digital World.
- **Doctrine:** all engineering deliverables comply with the sovereign-AI doctrine, encryption standards, and architectural principles of the Group, including the AURYNTHEON AGI Initiative roadmap and the 4096-bit quantum-resistant cryptographic protocol.
- **Quality framework:** ISO 9001:2015 standards for software development lifecycle, quality assurance, configuration management, and customer satisfaction, applied to every Authorised Work executed at the Lalitpur centre.