

Terms of Reference

Consultant Database Developer (Short Term) (01) NHSRC

National Health Systems Resource Centre (NHSRC) is a technical support institution under the National Health Mission (NHM), Ministry of Health & Family Welfare. NHSRC works closely with the MoHFW and the States for Health Systems strengthening and supporting implementation of other interventions under the NHM. Work at the NHSRC is organised around eight (8) divisions, namely– Community Processes & Comprehensive Primary Care, Healthcare Financing, Healthcare Technology, Human Resources for Health, Information Technology, Knowledge Management Division, Public Health Administration and Quality & Patient Safety.

The Position reports to the Principal Team Lead- Technical NHSRC. This Position requires a strong moral and ethical code of conduct with essence of integrity, confidentiality while undertaking the responsibility.

Roles & Responsibilities

1. Database Design & Development

- Design and implement scalable database schemas for transactional and analytical applications.
- Create collections, tables, indexes, views, stored procedures, triggers, and functions.
- Design efficient data models for both structured and semi-structured datasets.

2. Database Administration

- Install, configure, upgrade, and maintain MongoDB, MariaDB, and cloud-based database environments.
- Monitor database health, storage utilisation, and overall performance.
- Perform database patching and version upgrades.

3. Performance Optimization

- Analyse slow queries and optimise database performance.
- Design indexing strategies and optimise execution plans.
- Monitor database workloads and improve response times.
- Conduct database capacity planning and performance tuning.

4. Data Migration & Integration

- Integrate databases with APIs and enterprise applications.
- Support data warehousing and analytics initiatives using Amazon Athena.

5. Security & Compliance

- Implement database security controls, encryption, authentication, and authorization.
- Ensure compliance with Government security guidelines, DPDP Act, and applicable cybersecurity standards.
- Conduct periodic database audits and vulnerability remediation.

6. Analytics & Reporting

- Develop optimized datasets for dashboards and reporting.
- Write complex SQL queries and aggregation pipelines.

- Support analytical workloads using Amazon Athena and cloud data lakes.
- Assist BI teams in data extraction and reporting.

7. Documentation

- Prepare database architecture documents.
- Maintain database dictionaries and schema documentation.
- Develop SOPs for backup, restoration, migration, and maintenance.
- Prepare technical documentation for deployments and upgrades.

8. Collaboration

- Work closely with application developers, DevOps engineers, cloud architects, and business analysts.
- Support UAT, production deployment, and issue resolution.
- Participate in code reviews and database design reviews

Duration

The consultancy is a short-term position for 11 months

Qualification & Experience

For achieving the above-mentioned deliverables, the applicant is expected to possess the following qualifications & experience –

Essential Qualification – B.E./B.Tech./MCA/M.E./M.Tech. from a recognized university or institution.

Experience –

- Required Experience: 6+ years or more.

Desirable:

Experience working on Government IT Projects at the National level

- MongoDB Certified Developer
- AWS Certified Database
- MariaDB/MySQL Database Skills

Note –

- Only shortlisted candidates will be called for an interview.
- The candidates may be subjected to written tests

Age Limit: Up to 50 Years (as on the date of receiving the application) As per H..R Policy

Work Location: New Delhi with Willingness to travel on need basis

Remuneration Range: Between Rs. 1,00,000/- to Rs. 1,25,000/- per month (As per Policy)

****Fee offered within the band will be commensurate with qualification and experience***

Note: As this is a short-term assignment.

- Preference will be given to candidates residing within Delhi/NCR region.
- The selected candidate will be required to join within 7 days.

How to apply: Candidates are requested to fill out the online application correctly which is available on the NHSRC website (<http://nhsrcindia.org>). Applications will be

accepted in the prescribed online application format only. The last date for receiving applications is **2nd September 2026**.