Digital India Corporation

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New Delhi – 110003

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Website: www.dic.gov.in

Web Advertisement
25.08.2025

Digital India Corporation has been set up by the 'Ministry of Electronics & Information Technology, Government of India', to innovate, develop and deploy ICT and other emerging technologies for the benefit of the common man. It is a 'not for profit' Company under Section 8 of the Companies Act 2013. The Company has been spearheading the Digital India programme of the Government of India, and is involved in promoting use of technology for e-Governance/e-Health / Telemedicine, e-agriculture, e-Payments etc. The Digital India programme promotes safety and security concerns of growing cashless economy and addresses challenges confronting its wider acceptance. It also promotes innovation and evolves models for empowerment of citizens through Digital initiatives and promotes participatory governance and citizen engagement across the government through various platforms including social media.

Digital India Corporation is currently inviting applications for the following positions purely on Contract/ Consolidated basis for NHAI Datalake3.0 project: -

Sr. No.	Name of the Post	No. of Positions
1.	Database Administrator	1
2.	GIS Developer	2
3.	QA Engineer	1

** The place of posting shall be in New Delhi but transferable to project locations of Digital India Corporation as per existing policy of Digital India Corporation.

Screening of applications will be based on qualifications, age, academic record and relevant experience. Digital India Corporation reserves the right to fix higher threshold of qualifications and experience for screening and limiting the number of candidates for interview. Only shortlisted candidates shall be invited for selection interviews. Digital India Corporation reserves the right to not to select any of the candidates without assigning any reason thereof.

The details can be downloaded from the official website of DIC viz. **www.dic.gov.in**

Eligible candidates may apply ONLINE: **https://ora.digitalindiacorporation.in/**

1. Job Description: Database Administrator

A. Job Summary:

The Database Administrator is required to carry out the design, development, implementation, and maintenance of database solutions to support the organization's data management needs. This role involves working closely with cross-functional teams to understand requirements, design efficient database structures, and ensure data integrity and security. The ideal candidate to have extensive experience in database development, strong analytical skills, and the ability to lead projects from conception to completion.

B. Roles & Responsibilities:

- Design and develop database solutions to meet business requirements.
- Create and optimize database schema, tables, views, and indexes for performance and scalability.
- Implement data models, data dictionaries, and database documentation.
- Install, configure, and maintain database management systems (DBMS) and related software
- Monitor database performance, troubleshoot issues, and optimize SQL queries.
- Implement backup and recovery procedures to ensure data availability and integrity.
- Develop and implement data integration solutions to transfer data between systems.
- Manage data migration projects, including data cleansing, transformation, and validation.
- Ensure compatibility and data consistency between different databases and platforms.
- Collaborate with software developers, data analysts, and other stakeholders to understand requirements and ensure database solutions meet business needs.
- Communicate database designs, issues, and recommendations to technical and non-technical audiences.
- Provide technical guidance and support to junior database developers and team members.

C. Educational Qualification:

Basic: Bachelor's degree in Computer Science / IT or related fields from a recognized university/institute.

Preferred: Master's degree in IT management or related fields from a recognized university/institute.

D. Required Skill Set:

- Minimum of 7+ years of experience in database development or administration, with at least 3 years in a senior role.

a. Essential:

- Strong SQL programming skills and experience with database design and optimization.
- Knowledge of database modeling tools and techniques (e.g., ERD diagrams, normalization).
- Familiarity with database security best practices and compliance requirements.
- Excellent problem-solving and troubleshooting skills.
- Effective communication and interpersonal skills.

b. Preferred Skills & Experience:

- Manage and optimize databases using RDBMS platforms such as PostgreSQL, MySQL, SQL Server, or Oracle, ensuring efficient data storage and retrieval.
- Administer NoSQL databases like MongoDB, Cassandra, or DynamoDB to support scalable and high-performance applications.
- Design and optimize database schemas following normalization techniques, utilizing tools like ERWin, ER/Studio, or Lucidchart.
- Implement and maintain cloud-based databases using services such as Amazon RDS, Azure SQL Database, or Google Cloud SQL.
- Optimize SQL queries and performance using tuning tools like SQL Profiler or EXPLAIN ANALYZE to ensure fast and efficient database operations.
- Develop and manage indexing strategies with tools like pgTune (PostgreSQL) or SQL Server Database Engine Tuning Advisor for query optimization.
- Configure and maintain database replication and high-availability solutions, including PostgreSQL streaming replication, MySQL replication, and SQL Server Always On Availability Groups.
- Ensure database security through encryption, access control, and auditing measures to protect sensitive data.
- Handle data migration and ETL processes, leveraging tools like Apache Kafka, Apache NiFi, or AWS Glue for data transformation and movement.
- Manage data warehousing solutions with platforms such as Amazon Redshift, Google BigQuery, or Snowflake for large-scale data storage and analytics.
- Perform database administration tasks, including backup and recovery, performance monitoring, and capacity planning, using tools like pgAdmin, MySQL Workbench, or SQL Server Management Studio

A. Job Summary:

A GIS (Geographic Information Systems) Developer is responsible for designing, developing, and maintaining GIS-based applications, tools, and solutions. They integrate spatial data with software applications to support analysis, visualization, and decision-making processes.

B. Roles & Responsibilities:

- Develop, customize, and maintain GIS applications using technologies such as ArcGIS, QGIS, Mapbox, OpenLayers, or Google Maps API.
- Design and implement spatial databases using PostGIS, Oracle Spatial, or SQL Server with GIS extensions.
- Process, analyze, and visualize geospatial data using Python (Geopandas, GDAL), JavaScript, or R.
- Integrate GIS applications with other enterprise systems through APIs and web services (REST, SOAP, GeoServer, WMS/WFS).
- Automate geospatial data processing workflows using scripting languages (Python, JavaScript, or SQL).
- Work with remote sensing data, satellite imagery, and LiDAR data for analysis and visualization
- Perform spatial analysis, geocoding, and network analysis to support business decision- making.
- Ensure GIS applications are scalable, optimized, and meet performance standards.
- Collaborate with cross-functional teams, including software engineers, data analysts, and domain experts.
- Provide technical documentation, user training, and support for GIS applications.

C. Educational Qualification:

Bachelor's or Master's degree in Computer Science, or related fields from a recognized university/institute.

D. Required Skills & Experience:

- Minimum of 5+ years of experience in GIS development, spatial data management, and geospatial programming.

a. Essential:
- Strong leadership and team management skills.
- Excellent project management abilities.
- Deep technical expertise in GIS technologies and methodologies.
- Exceptional problem-solving and analytical skills.
- Excellent communication and interpersonal skills.
- Experience with Agile, Scrum, and other project management frameworks.

b. Preferred Skills & Experience:
- Proficiency in ArcGIS (ArcGIS Pro, ArcGIS Server, ArcGIS Online), QGIS, Google Earth Engine, or similar platforms.
- Experience with web-based GIS frameworks such as Leaflet.js, OpenLayers, Mapbox, or CesiumJS.
- Knowledge of PostGIS, Oracle Spatial, SQL Server with spatial extensions.
- Experience with cloud-based GIS solutions (AWS, Google Cloud, Esri Cloud, Azure Maps).
- Experience in spatial analysis, geocoding, network analysis, and remote sensing.
- Hands-on work with LiDAR, satellite imagery, and drone data processing.
- Understanding of machine learning (ML) and AI applications in GIS.
- Experience with containerization (Docker, Kubernetes) for GIS applications.
- Automating geospatial workflows using ETL tools (FME, GeoKettle).
- CI/CD pipeline management for GIS software development.
- Esri Technical Certification (ArcGIS Developer, ArcGIS Enterprise, ArcGIS Desktop Associate/Professional).
- GISP (Certified GIS Professional).
- Cloud Certifications (AWS Certified Solutions Architect – GIS specialization.

A. Job Summary:

A Quality Assurance (QA) Engineer is responsible for ensuring the quality, reliability, and performance of software applications by conducting manual and automated testing. They work closely with developers, product managers, and other stakeholders to identify and resolve defects, improve user experience, and maintain high software standards.

B. Roles & Responsibilities:

- Test Planning & Execution: Develop test plans, test cases, and test scripts based on business and functional requirements.
- Manual & Automated Testing: Perform functional, regression, integration, system, and performance testing.
- Defect Identification & Tracking: Log and track defects using tools like JIRA, Bugzilla, or TestRail.
- Automation Testing: Develop and execute automated test scripts using Selenium, Cypress, or Appium.
- API Testing: Validate APIs using Postman, SoapUI, or REST-assured.
- Performance & Security Testing: Conduct load, stress, and security testing using tools like JMeter, LoadRunner, or OWASP tools.
- CI/CD Integration: Implement automated tests in CI/CD pipelines (Jenkins, GitHub Actions, Azure DevOps).
- Documentation & Reporting: Maintain test reports, test case repositories, and quality metrics.

C. Educational Qualifications:

Bachelor's or Master's degree in Computer Science, or a related field.

D. Required Experience & Requirements:

Minimum of 5+ years of experience in software testing and quality assurance.

a. Essential:
- Manual & automation testing, API testing, performance testing.
- Selenium, JIRA, Postman, SQL, CI/CD tools, Git.
- Strong analytical thinking, problem-solving, teamwork, and communication.

b. Preferred Skills & Experience:
- Strong Understanding of SDLC & STLC – Knowledge of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC) to ensure quality at every stage.
- Manual & Automation Testing – Proficiency in both manual testing (functional, regression, exploratory) and automation testing (Selenium, Cypress, Appium, etc.).
- Test Case Design & Execution – Ability to create, execute, and manage test cases, test scripts, and test scenarios efficiently.
- Bug Tracking & Reporting – Experience using bug-tracking tools like JIRA, Bugzilla, or Azure DevOps to log and track defects.
- Performance & Security Testing – Familiarity with performance testing tools (JMeter, LoadRunner) and security testing principles.
- API Testing – Hands-on experience with API testing tools like Postman, REST Assured, or SoapUI.
- SQL & Database Testing – Basic knowledge of SQL for validating backend data and performing database testing.
- CI/CD & DevOps Integration – Understanding of Continuous Integration/Continuous

Deployment (CI/CD) pipelines with tools like Jenkins, Git, or Docker.
- Agile & Scrum Methodologies – Experience working in Agile environments with sprint planning, daily stand-ups, and retrospectives.
- Attention to Detail & Analytical Thinking – Strong problem-solving skills with a keen eye for detail to identify inconsistencies and defects effectively.

General Conditions applicable to all applicants covered under this advertisement:

1. Those candidates, who are already in regular or contractual employment under Central / State Government, Public Sector Undertakings or Autonomous Bodies, are expected to apply through proper channel or attach a 'No Objection Certificate' from the employer concerned with the application OR produce No Objection Certificate at the time of interview.

2. Digital India Corporation reserves the right to fill all or some or none of the positions advertised without assigning any reason as it deems fit.

3. The positions are purely temporary in nature for the project of Digital India Corporation and the appointees shall not derive any right or claim for permanent appointment at Digital India Corporation or on any vacancies existing or that shall be advertised for recruitment by Digital India Corporation in future.

4. Digital India Corporation reserves the right to terminate the appointments of all positions with a notice of one month or without any notice by paying one month's salary in lieu of the notice period.

5. The maximum age shall be as on the last date of receipt of the applications. Screening of applications will be based on qualifications, age academic record and relevant experience. The designation against the position shall be mapped as per the approved policy.

6. In case of a query, the following officer may be contacted

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Ms. Vinaya Viswanathan
Head- HR
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6 CGO, Complex Lodhi Road,
New Delhi – 110003

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