

## **EDUCATIONAL QUALIFICATION:**

**A. Common qualification** (for Network Administrator, Database Administrator and Junior Software Developer):

Minimum 60% (55% for SC/ST/OBC/PWD) or equivalent grade in 4 years B.E/ BTech Degree in Computer Science / Information Technology from a recognized university / institute recognized by the Govt. of India or its regulatory body

**Or**

Minimum 60% (55% for SC/ST/OBC/PWD) in MCA (3 years) from a recognized university / institute recognized by the Govt. of India or its regulatory body

**Or**

Minimum 60% in both BCA & MCA (55% for SC/ST/OBC/PWD) BCA+MCA (Min 5 years) Integrated Course/Lateral entry in MCA (2 years course) after BCA (3 years) from a recognized university / institute recognized by the Govt. of India or its regulatory body

## **B. Preferable for Network Administrator:**

The following qualification/Work Experience / skills required are as under:

- Candidate having certification in networking (e.g. CCNA, MCSE, etc.) will be preferred.
- Must have knowledge in Routers & Switches and knowledge in WAN accelerators & Firewalls
- Ability to investigate faults in the network
- Ability to replace faulty network hardware components when required
- Monitoring network performance to determine if adjustments need to be made
- Ability to create network diagrams and documentation for design and planning network communication systems.
- Proven experience as a Server Administrator or similar role for Windows / Linux based Servers.

- Configuration of servers, operating systems administration, hardening, load balancers, firewall including but not limited to management of users, processes, resource contention, preventive maintenance and management of updates & patches to ensure that the system is properly updated
- Knowledge of system security (e.g. intrusion detection systems) and data backup/recovery
- Install and upgrade computer components and software, manage virtual servers, and integrate automation processes
- Maintain cloud infrastructure, application and database backup.
- Configure and Maintain Server scaling and High Availability & Disaster Recovery
- Web / Mobile Application release management activities on staging and production server.
- Application Deployment on .Net / Java/ PHP based applications on Windows / Linux Servers

**C. Preferable for Database Administrator:**

The following qualification/Work Experience / skills required are as under:

- Must have working experience in integrating Geoserver or ArcGIS database with MIS. Excellent experience in data architecture and to develop triggers and procedures.
- Experience in Installation and Configuration, and maintenance of database server. Good Experience in maintaining the production servers of multiple environments.
- Experience in Database backup and disaster recovery procedures
- Having knowledge of bulk data merging. Having knowledge of job schedule. Creating and maintaining databases.
- Monitoring, troubleshooting, and optimizing database server performance.
- Ability to help the database query developers on technical issues, i.e., writing queries like join or subquery, triggers, cursors, store procedures. Have knowledge of indexes and Database Migration.
- Ability to oversees backups/restores, monitoring, uptime/downtime, designing, and full database recovery. Review and optimize SQL queries, store procedures, views, and triggers to help developers to achieve maximum efficiency and scalability.

**D. Preferable for Junior Software Developer:**

- A thorough understanding of computer architecture, operating systems and data structures
- Knowledge of basic programming languages (e.g. C++, Python, Java, JavaScript) with adequate knowledge on any one primary programming language to write, debug and maintain production-ready software.
- Basic knowledge software frameworks/systems (e.g. ReactJs, AngularJS, etc.),
- An in-depth understanding of HTML5, CSS3, and JavaScript
- Good working knowledge of code version control system such Git.
- Experience working with command line interface on Windows server and Linux server
- The ability to analyse complex technical information
- Comfortable in designing and implementing database structures to solve real-world problems effectively
- An awareness of current issues affecting the industry and its technologies
- Familiarity with UI toolkits and frameworks
- A meticulous and organized approach to work
- A logical, analytical, and creative approach to problem-solving
- A thorough, detail-oriented work style
- Familiarity with Agile development methodologies
- Experience with software design and development in a test-driven environment
- Experience with databases and Object-Relational Mapping (ORM) frameworks (e.g. Hibernate)
- Ability to learn new languages and technologies