

**Centre for Smart Governance (CSG)  
Hiring of Technical Resources**

No.: CSG/001/HRD/2021-22

Date: 27.08.2021

Centre for Smart Governance (CSG), Government of Karnataka invites applications from eligible candidates in the areas of IT / ICT for the positions listed below:

S. No.	Position / Resource types	No. of Resources
1.	Project Lead	5
2.	Senior Software Engineer	8
3.	Software Engineer	43
4.	Database Designer	4
5.	Database Administrator	2
6.	System Administrator	2
<b>Total</b>		<b>64</b>

Qualification, Experience and Job Description for each position is detailed below:

**Position no. 1: Project Lead**

**Minimum Qualification:** BE/B.Tech/MCA

**Experience & Skills required:**

- Minimum 8 years of relevant experience.
- Good understanding of project management methodologies and technology.
- Experience in application development, maintenance and support.
- Should have handled project teams.
- Should have good working knowledge on SDLC.
- Should possess good communication skills. **Knowledge of Kannada Language - Speak, Read and Write preferred**
- Should have good documentation and presentation skills.
- Knowledge of e-Governance projects desirable.
- Knowledge of IT infrastructure, sizing of hardware and network requirements preferred

S. No.	Job Description
1.	Take complete ownership of delivering the projects assigned. Prepare Project plan, Resource deployment plan, Transition plan etc. in discussion with Project Manager.
2.	Manage the project within the approved effort.
3.	Perform all activities related to Team Management and Risk Management.
4.	Provide necessary inputs for procurement of hardware, system software, development tools etc.
5.	Provide complete Technical and Code level guidance to the software development teams. Should be able to develop and implement key functionalities of an application, if necessary. Should guide the team during all stages of the project life cycle, trouble shoot issues and provide solution to the teams.
6.	Conduct regular reviews on the progress of the project and submit progress reports.
7.	Should present the software application developed, to key stakeholders within CSG and to client departments and get necessary approvals.
8.	Should attend review meetings conducted by CSG / Departments.
9.	Any other work assigned by Director CSG.

**Position no.2: Senior Software Engineer (C# or Java)****Minimum Qualification:** BE/B.Tech/MCA/M.Sc. Computer Science**Experience:** Minimum 5 years of relevant experience

- Should possess good hands-on experience in application development, maintenance and support using .Net./C# with visual studio.
- Good knowledge on jquery, java script, bootstrap and MS SQL server
- Java developer should have worked with at least 1 maven/gradle project
- Experience with SSRS reports
- Should have good knowledge of MVC architecture or similar architecture used for software development.
- Work with the team and contribute to software design and other documents.
- Should have experience in writing SQL queries, database scripts / stored procedures, etc.
- Should have experience in team handling.
- Should have worked with cross-functional teams for business analysis activities to gather and document reporting and dashboard requirements and use those requirements to design, develop, test and implement reports and dashboards created from potentially multiple data sources.
- .Net Certified Programmer preferred.
- **Knowledge of Kannada Language - Speak, Read and Write preferred**

S. No.	Job Description
1.	Work closely with Business Analyst and Project Manager to understand the software application requirements.
2.	Design and develop the software application on MVC or similar architecture. Follow coding standards. Perform unit testing.
3.	Support the Project Manager in sizing the hardware and network requirements.
4.	Setup the development environment and manage it.
5.	Carryout activities related to managing the version and release of the software application.
6.	Perform code review activities.
7.	Work closely with Database Designer to design the database for the software application. Wherever necessary should write the database scripts / stored procedures.
8.	Guide the team members.
9.	Should build and deploy the software application on the identified servers along with related components.
10.	Work closely with the Testing team and ensure the software application is bug free.
11.	Prepare necessary documentations
12.	Any other work assigned by Director CSG.

**Position no. 6: Software Engineer(C# or Java)****Minimum Qualification:** BE/B.Tech/MCA/ M.Sc. Computer Science**Experience:** Minimum 3 years of relevant experience

- Should possess good hands-on experience in application development, maintenance and support using .Net/C# or Java
- Good knowledge on jquery, java script, bootstrap and MS SQL server

- Should have good knowledge of MVC architecture or similar architecture used for development.
- Responsible for design, development, implementation and support of enterprise reports through SQL Queries.
- Should have experience in writing SQL queries involving multiple tables / views
- Responsible for providing training and assistance to users for using the application and generation of ad-hoc queries.
- **Knowledge of Kannada Language - Speak, Read and Write preferred**

S. No.	Job Description
1.	Work closely with Business Analyst and Senior Software Engineer to understand the software application requirements.
2.	Develop the software application on MVC or similar architecture. Follow coding standards. Perform unit testing.
3.	Support in managing the version and release of the software application.
4.	Should support in build and deploy the software application on the identified servers along with related components.
5.	Work closely with the Testing team and ensure the software application is bug free.
6.	Prepare necessary documentations.
7.	Any other work assigned by Director CSG.

#### **Position no. 4: Database Designer**

**Minimum Qualification:** BE/B.Tech/MCA/MSc

**Experience:** Minimum 07 years of IT experience with 5 years of relevant Experience in Database Design

- Should have worked with the team and contribute to the Database design.
- Experience in designing and handling databases. MSSQL experience preferred.
- Must have supported application development, maintenance and support projects.
- Good knowledge on SDLC.
- Provide technical assistance and cross training to other team members.
- Responsible for providing training and assistance to users for generation of ad-hoc queries.
- Design of database model & structure to meet performance requirements of reports specifically for transactional & consolidation reports
- Preferred certification: Oracle/MSSQL Certified Professional or equivalent

S. No.	Job Description
1.	Should install and configure required RDBMS on the servers for different projects.
2.	Should design the database schema and create databases required for the project.
3.	Should define and create database users and roles.
4.	Should manage user creation, user access, roles and privileges. Keep record of users created, user-wise roles and privileges for all databases.
5.	Should support the application development teams to connect to the databases and ensure smooth functioning.
6.	Should constantly monitor the performance of the database servers and raise necessary alerts to the concerned.
7.	Should fine tune the databases periodically.
8.	Whenever required participate actively in troubleshooting incidents and guide other team members.

S. No.	Job Description
9.	Should create necessary DB scripts for day-to-day database management and backup scheduling activities.
10.	Shall be responsible for restoration of data, post getting necessary approvals from Project / Programme Manager.
11.	Should carry out capacity planning activity and communicate to Project / Programme Manager on scalability requirements, well in advance.
12.	Communicate regularly with KSDC technical staff, application development and operational staff to ensure database integrity and security.
13.	Manage the disaster recovery aspects of databases.
14.	Prepare & submit periodical reports on the health of the database servers and databases. Maintain proper records of database installations, patch updation, releases made etc. and share them with Director.
15.	Any other work assigned by Director CSG.

#### Position no 5: Database Administrator

**Minimum Qualification:** BE/B.Tech/MCA/MSc

**Experience:** Minimum 7 years of relevant experience

- Strong command of SQL and SQL server tools
- Advanced knowledge of database security, backup and recovery, and performance monitoring standards
- Understanding of relational and dimensional data modelling
- PowerShell and Unix shell scripting skills
- Familiarity with SSAS, SSIS, SSRS is preferred
- MCSE/MCSA certifications preferred
- Experience with Linux and Windows Server environments
- Extensive experience with database technologies (MySQL, MS SQL, PostgreSQL Oracle, MongoDB)
- Experience with cloud services (AWS, Microsoft Azure) is desirable

Sl. No.	Job Description
1.	Installing and upgrading the database server and application tool
2.	Allocating system storage and planning storage requirements for the database system
3.	Modifying the database structure, as necessary, from information given by application developers
4.	Enrolling users and maintaining system security
5.	Ensure DB & Data security at all times in development, testing, staging and production environment.
6.	Ensuring compliance with database vendor license agreement
7.	Controlling and monitoring user access to the database
8.	Monitoring and optimizing the performance of the database
9.	Planning for backup and recovery of database information
10.	Maintaining archived data
11.	Backing up and restoring databases
12.	Generating various reports by querying from database as per need
13.	Managing and monitoring data replication
14.	Acting as liaison with users
15.	Prepare reports and metrics and present it to management.
16.	Any other work assigned by Director, CSG

**Position no 6: System Administrator****Minimum Qualification:** BE/B.Tech/MCA/MSc**Experience:** Minimum 7 years of relevant experience

1. Strong knowledge of webserver like IIS, Tomcat, Nginx or equivalent systems etc and networking software, hardware and networking protocols
2. Experience with scripting and automation tools
3. A proven track record of developing and implementing IT strategy and plans
4. System administration and IT certifications in Linux, Microsoft, or other network related fields are desirable
5. Working knowledge of virtualization, VMWare, or equivalent
6. Strong knowledge of implementing and effectively developing IT operations best practices, including expert knowledge of security, storage, data protection, and disaster recovery protocols

Sl. No.	Job Description
1.	Responsible for the maintenance, configuration, and reliable operation of servers and virtualization
2.	Install and upgrade servers, and integrate automation processes
3.	Troubleshoot hardware and software errors on server side by running diagnostics, documenting problems and resolutions, prioritizing problems, and assessing impact of issues
4.	Provide documentation and technical specifications to IT staff for planning and implementing new or upgrades of IT infrastructure related to servers
5.	Perform or delegate regular backup operations and implement appropriate processes for data protection, disaster recovery, and failover procedures
6.	Responsible for capacity, storage planning, and performance of all servers
	Ensure security through access controls, backups and firewalls
7.	Prepare reports and metrics and present it to management.
8.	Any other work assigned by Director, CSG

**Note:**

1. **All positions listed above are on contract basis for a duration of 3 years extendable based on satisfactory performance. Decision of CSG shall be final in this regard.**
2. Interested candidates shall apply within the date mentioned in the advertisement. Candidates should submit their detailed Curriculum Vitae (CV) in PDF or Word document format only, through e-Mail to [careerscsg@karnataka.gov.in](mailto:careerscsg@karnataka.gov.in).
3. The CV should provide complete details of the candidate such as; name, date of birth, gender, address for communication, mobile number, e-Mail address, qualification, detailed work experience highlighting the roles & responsibilities, current salary, expected salary, notice period etc.
4. CSG shall evaluate the CVs received and shall call eligible candidates for a face-to-face interview. For some positions, CSG may conduct a written test and then short list the candidates for interview. The selection of candidates shall be based on their performance in the interview. Decision of CSG shall be final in this regard.
5. Candidates should bring a photo id card and 2 copies of their CV while coming for the interview.
6. Results of the selection process shall be intimated to the selected candidates through email. The selected candidates have to give their acceptance through mail within the stipulated date for considering them to the position.

7. All positions are at Bengaluru.
8. Salary shall be negotiable.

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