Vacancy Notice
Office of Head, Department of Water Supply and Sanitation Punjab

Water works complex, Phase-2, SAS Nagar
Phone No. 0172-2270101, 4330334

Recruitment Notice Reference No. 10

Online Applications are invited for the following posts on contract basis under World Bank Project in the
Department of Water Supply and Sanitation Punjab

(Read General Instructions carefully before applying)

Sr. No.	Name of Post	Number of Vacancies	Monthly consolidated Remuneration (in Rs.)
1	Java Full Stack Developer	**01**	Rs. 50,000/- month to Rs. 80,000/- per month based on experience
2	Database Administrator	**01**	Rs. 40,000/- month to Rs. 60,000/- per month based on experience
3	System Analyst	**01**	Rs. 40,000/- month to Rs. 60,000/- per month based on experience
4	Java Application Developer	**02**	Rs. 40,000/- month to Rs. 60,000/- per month based on experience
5	Software Tester	**01**	Rs. 35,000/- month to Rs. 55,000/- per month based on experience
6	GIS Specialist	**01**	Rs. 30,000/- per month to Rs. 50,000/- per month based on experience

For further details regarding qualification, experience and job description, visit recruitment section of **https://dwss.punjab.gov.in/**

Last date of application: 23.10.2021 up to 5.00 PM

Note:	(1) Any corrigendum (s) to this recruitment notice shall be published on above website.
	(2) Applications received through any mode other than online application will not be considered.

Head DWSS

General instructions for the Candidates applying for various positions in MIS Cell.

1) The Department of Water Supply & Sanitation (DWSS) invites Application on prescribed format from eligible candidates for the position of Java Full Stack Developer (01), Java Developer (02), DBA (01), System Analyst (01), Software Tester (01) and GIS Specialist (01).

2) For wider publicity and to invoke maximum participation, the department may use various online channels but it is clarified that applications received via online module of DWSS will only be considered and those received directly from these websites will not be considered.

3) The applicants need to apply online via the following link https://dwss.punjab.gov.in/show_recruitment

4) Incomplete applications or applications submitted on any other format or means other than the prescribed format is liable to be rejected.

5) Application received after due date will not be considered, in any case.

6) The engagement will initially be for a period of one year from the date of joining which may be extended on the basis of performance of the individual.

7) Any addendum/ corrigendum will be published on the department website only and no separate communication will be made to individual applicants.

8) The requisite experience for the post will be counted from the date of acquiring the prescribed minimum essential qualification for that post (post qualification experience).

9) If at any time during scrutiny of the Application Form/documents submitted by the candidate or otherwise, if any document, statement or any other information submitted by the candidate is found to be wrong or incorrect as per the selection/eligibility criteria, the Department reserves the right to cancel the selection of the candidate.

10) For any further clarifications, the candidate may be contact at 0172-4330325. Any enquiry/ clarification or any other correspondence except applications, received at email ID: dwssado@gmail.com will not be entertained.

General instructions for the Candidates applying for various positions in MIS Cell.

11)   No TA/DA will be given for attending the interview/ written Test.

12)   Competent authority reserves the right to modify the number of posts advertised and modify or withdraw the recruitment notice without assigning any reason. The decision of the Competent Authority will be absolute and final in this regard.

13)   Competent authority reserves the right to defer, cancel or postpone the selection process at any time without assigning any reasons.

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Name of Position: Full Stack Java Developer (5+ years of experience)

No. of Posts Proposed: 1 No. on contract (Under World Bank Project)

Proposed Salary: 50k to 80k per month based on experience

Job Brief:

We are looking for a Java Developer in building high-performing, scalable, enterprise-grade applications.

This candidate will be responsible for Java/Java EE application development while providing expertise in the full software development lifecycle, from concept and design to testing.

Responsibilities:

- Design and develop high-volume, low latency system, delivering high-availability and performance system.
- Contribute in all phases of the development lifecycle.
- Write well designed, testable, efficient code.
- Ensure designs are in compliance with specifications.
- Prepare and produce releases of software components.
- Support continuous improvement by investigating alternatives and technologies and presenting these for architectural review.
- Ensure departmental applications are secure and up-to-date
- Schedule product releases with internal teams
- Should be able work in a team as a member and lead at times.

Requirements:

- B.E./B.Tech/M.E./M.Tech/M.Sc./MCA degree in Computer Science, IT, Electronics or a related subject from recognized university with minimum 60% aggregate.
- Experience in Java/J2EE, spring/spring boot, hibernate, restful web services with integrations layer experience is must.
- Understanding functional requirements thoroughly and analyzing the department's needs in the context of the project.
- Must have strong working experience of full stack development using Java, Jdbc, Spring MVC, Spring Rest, Spring Core, Hibernate etc.
- Must have knowledge of JSPs, Restful Web Services (both JSON and XML), Micro services, Spring Batch, Spring Scheduler, Spring Security etc.

- Must have strong working experience on Java IDEs like Net beans, Eclipse or STS and Build and version control tools like Maven, Ant, SVN, Github etc.
- Must have strong hands-on experience of one or more relational databases such as MySQL, SQL Server, Oracle, Mongo DB etc.
- Must have good working knowledge of UI technologies HTML5, CSS3, JQuery and Bootstrap.
- Having knowledge of other frameworks and technologies like Servlets, JSF, Struts, Swing or Frontend technologies like Angular JS, React JS, Node JS, etc will be a plus and given preference.
- Experience with Object-Oriented Design (OOD)
- Writing and reviewing great quality code
- Candidate with exposure to Android Development and POS application development would be preferred.

Name of Position:	System Analyst
No. of Posts Proposed:	1 No. on contract
Proposed Salary:	Rs. 40k to Rs. 60k per month based on experience

Essential Qualifications:-

Regular B.E. (IT/CS/EC) / B.Tech (IT/CS/EC) / M.Sc. in (IT/CS/EC)

OR

Regular Masters of Computer Application (MCA) from recognized University or Institution with 60% aggregate marks (or First Division) in each case.

Required Experience:

At least 4-6 years of real-world system architecture design, planning and execution experience.

Roles and Responsibilities

- Strong understanding of SDLC
- Meet and coordinate with internal and external stakeholders to establish project scope, system goals, and requirements
- Develop, analyze, prioritize, and organize requirement specifications, data mapping, diagrams, and flowcharts for developers and testers to follow
- Provide documentation of all processes and trainings as needed
- Develop and implement maintenance procedures, monitor systems health, gather system statistics, and troubleshoot reported errors and alarms. Validate changes by testing programmer.
- Perform design, implementation, and upgrades of information systems to meet the departmental needs.
- Implement best practices for scalability, supportability, ease of maintenance, and system performance
- Prepare technical reports by collecting, analyzing and summarizing information. Document interfaces between new and legacy systems
- Experience with Use Cases and UML. Employ Use Cases, and UML for analyzing and documenting requirements
- Validate changes by testing programs
- Basic knowledge in server side languages (Java/ .NET) and strong knowledge of Object Oriented Programming is desired.

Name of Position: DBA (3+ YEARS OF EXPERIENCE)

No. of Posts Proposed: 1 No. on contract

Proposed Salary: 40k to 60k per month based on experience

Job Brief:

We are looking for a DBA with atleast 3+ years of experience who are capable of holding positions of great responsibility. Being both an administrative and technical role, the Database Administrator should display both sound technical skills and administrative aptitude. Person should have extensive knowledge of the databases under his/her administration, be the first respondent to database problems that arise and carry out periodic maintenance and troubleshooting.

Person should support in improving architectural design, business processes, and strategy of a new or existing processes while providing expertise in the full software development lifecycle, from concept and design to testing.

Responsibilities:

- Monitoring system performance and identifying problems that arise.
- Responding in a timely manner to user-reported errors.
- Protecting the database against threats or unauthorized access.
- Ensuring that the database is adequately backed up and able to be recovered in the event of memory loss.
- Reporting on metrics regarding usage and performance.
- Suggesting changes and improvements for maintenance or protection.
- Regularly liaising with IT project managers and database programmers.
- Designing databases with both front-end and back-end users in mind.
- Broad awareness of macro-economic and regulatory changes happening across the Financial Services industry and how this will impact our clients

Requirements:

- BS/MS/MCA/MBA degree in Computer Science, Engineering or a related subject
- Proven hands-on Software Development experience
- Proven working experience in IT domain
- Proficiency in data manipulation languages, including MS SQL, Oracle Database, Hadoop or PostgreSQL.
- Analytic mindset and good problem-solving skills.
- Excellent verbal and written communication skills.
- Highly organized and responsible.
- Confidence working under pressure.
- Maintaining an awareness of trends and developments in database administration.
- Practice standard development process leveraging agile methodologies such as SCRUM and Test Drive Development.
- Provide technical troubleshooting and application support.

Name of Position: QA Tester (3+ YEARS OF EXPERIENCE)

No. of Posts Proposed: 1 No. on contract

Proposed Salary: 35k to 55k per month based on experience

Job Brief:

We are looking for a QA Tester to assess software quality through manual and automated testing. Selected Candidate will be responsible for finding and reporting bugs and glitches. The ideal candidate should have a keen eye for detail and should have experience in creating and executing the test use cases. The person has to ensure that products, applications and developed systems are working correctly.

Responsibilities:

- Review and analyze system specifications
- Collaborate with QA Engineers to develop effective strategies and test plans
- Execute test cases (manual or automated) and analyze results
- Evaluate product code according to specifications
- Create logs to document testing phases and defects
- Report bugs and errors to development teams
- Help troubleshoot issues
- Conduct post-release/ post-implementation testing
- Work with cross-functional teams to ensure quality throughout the software development lifecycle

Requirements:

- B.E./B.Tech/M.E./M.Tech/M.Sc./MCA degree in Computer Science, IT, Electronics or a related subject from recognized university with minimum 60% aggregate
- Proven experience as a Quality Assurance Tester or similar role
- Hands on experience in creating the test cases
- Experience in project management and QA methodology
- Familiarity with Agile frameworks and regression testing is a plus
- Ability to document and troubleshoot errors
- Working knowledge of test management software (e.g. qTest, Zephyr) and SQL
- Excellent communication skills
- Attention to detail
- Analytical mind and problem-solving aptitude
- Strong organizational skills

Name of Position: -   Java Application Developer

No. of Posts Proposed: 2 No. on contract

Proposed Salary: Rs. 40k to 60k per month based on experience

Essential Qualifications:-

Regular B.E. (IT/CS/EC) / B.Tech (IT/CS/EC) / M.Sc. in (IT/CS/EC)

OR

Regular Masters of Computer Application (MCA) from recognized University or Institution with 60% aggregate marks (or First Division) in each case.

Required Experience:-

Minimum three years relevant experience in developed of desktop and web application in j2EE. Must have developed applications using technology, Struts, spring, Hibernate, JSP. Must have knowledge of configuring application, web server like Apache Tomcat on Linux environment. Experience in handling databases related activities shall be preferred. Must have experience in development of web services web (REST and SOAP) in Java.

Job Responsibilities:

- Requirement assessment and system designing.

- Development and maintenance of Software/ Module/s.

- To configure and implementation of server/s for web enabled application/ software/ services using open source reporting tool.

- Development of web services.

- Identifying IT needs based on user requirements, feasibility assessment and preparation of solution/ specification.

- Data generation, compilation for M&E and analysis.

- To assist the department in Monitoring and Evaluation activities by use of Management Information Systems and other analytical tools.

- Any other relevant task assigned by Head of Department

Name of Position: -	GIS Specialist
No. of Posts Proposed:	1 No. on contract
Proposed Salary:	Rs. 30k to Rs. 50k per month based on experience

Essential Qualifications:-

Regular B.E. (IT/CS/EC) / B.Tech (IT/CS/EC) / M.Sc. in (IT/CS/EC/ Remote Sensing/ GIS/ Geo-Informatics / Geospatial Technologies / Spatial Technology/ Geology/ Applied Geology/ Geography) / MCA AND essential minimum PG Diploma in Remote Sensing/ GIS/ Geo-Informatics / Geospatial Technologies / Spatial Technology/ Geology/ Applied Geology.

OR

M.E. or M.Tech in Remote Sensing/ GIS/ Geo-Informatics / Geospatial Technologies / Spatial Technology/ Geology/ Applied Geology from recognised University or Institution with 60% aggregate marks (or First Division) in each case (i) and (ii) above

Required Experience:-

At least four years relevant experience in the field of Remote Sensing & GIS with proficiency on working on Arc GIS software.

Job Responsibilities:

- To create spatial/non spatial GIS Database from the data received from various sources

- Updation of GIS database on various themes, as and when required and maintain the same for future

- Preparation of reports and generation of information as per requirements.

- Entry of various types of data into GIS databases, such as text or spreadsheet files of latitude and longitude coordinates tabular data, aerial or satellite imagery, and manual digitizing of paper maps or map images.