

GUYANA WATER INCORPORATED

JOB DESCRIPTION

JOB NUMBER:

JOB TITLE: Solutions Architect

DIVISION: Head Office

DEPARTMENT: Information Communication & Technology Department

SUPERVISES: –

PURPOSE: Responsible for designing, coding, testing, installing and debugging software used within GWI in both maintenance and development environment.

MAIN DUTIES AND RESPONSIBILITIES

1. To plan, develop, test and document computer programs, applying knowledge of programming techniques and computer systems.
2. To evaluate users request for new or modified program, to analyze and develop specifications for systems design, to determine feasibility, cost and time required, compatibility with current system, and computer capabilities.
3. To query databases currently in use and generate reports required.
4. To consult with users to identify current operation procedures and clarity program objectives.
5. To administer, build, test, deploy, and manage GWI's internal management information system and its external web-page.
6. To read manuals periodicals, and technical reports to learn ways to develop programs that meet users' requirements.
7. To formulate plants outlining the steps required to develop program, using structured analysis and design and submits plans to users and the management of the ICT Department for approval.

8. To prepare flowcharts and diagrams to illustrate sequence of steps program must follow and describe logical operations involved.
9. To design computer terminal screen displays to accomplish goals of users' request.
10. To convert project specification, using flowcharts and diagrams, into sequence of detailed instructions and logical steps for coding into language, applying knowledge of computer programming techniques and computer languages.
11. To program testing, to detect and correct syntax and systematic errors.
12. To analyze, review, and alter program to increase operating efficiency or adapt to new requirements.
13. To write documentation to describe program development, logic, coding, and corrections. To write manuals for users to describe installation and operating procedures. To assist users to solve operating problems.
14. To oversee user acceptance testing and train users to use programs.
15. To monitor performance of program after implementation.
16. Any other duties relating to Programming/Web Development as requested by the Applications Support Manager.

QUALIFICATIONS AND EXPERIENCE

1. Bachelor's degree in Computer Science.
2. Knowledge of programming languages and tool.
3. Proficiency in usability testing highly desired.
4. Experience with SAQ, ODBC and PHP a strong plus.
5. One year post graduation experience in preparing detailed logical workflow charts and diagrams and establishing sequence of steps for data input and computer processing operation.
6. Ability to write detailed documentation of computer programs.