



JOB DESCRIPTION

Job Title: Software Developer

Department: IT Services

Reports to: Director of IT Services

Job Purpose

Software Developer is responsible for the development/create, design, deploy, and implementation of new or modified software products (web-based application and mobile-based applications) at Muscat college.

Software developer involved drives the overall software development lifecycle, including writing code, and working across functional teams to transform requirements into features, managing development teams and processes, and conducting software testing and maintenance.

Roles & Responsibilities :

1. Develop, test, configure, implement and maintain software systems in the College; web-based applications and mobile-based applications.
2. Design, update and retrieve software database.
3. Recommend software improvements to ensure strong functionality and optimization.
4. Analyze user requirements and convert requirements to design documents.
5. Implementing security protocols and procedures to prevent potential threats.
6. Basic knowledge related to monitoring and maintaining networks and servers.
7. Basic knowledge related to performing diagnostic tests and debugging procedures to optimize computer systems.
8. Manage data backup and retrieval processes.
9. Clearly and regularly communicate with management and technical support colleagues



PERSON SPECIFICATION

Criteria	ESSENTIAL	DESIRABLE
Qualification	<ul style="list-style-type: none"> Bachelor / Diploma degree in Computer Science or Information Technology fields. 	<ul style="list-style-type: none"> Microsoft and Cisco certification will be an added advantage.
Experience	<ul style="list-style-type: none"> Minimum TWO years' experience in Software development and IT administration. 	
Knowledge	<ul style="list-style-type: none"> Knowledge of the software development life-cycle and coding. An in-depth understanding of PHP, Mysql, Java and Mobile application development tools. 	<ul style="list-style-type: none"> Knowledge in Python will be an added advantage.
Technical/Work-based Skills	<ol style="list-style-type: none"> Programming/coding: write source code to perform specific tasks. Software engineers: apply engineering principles to build software and systems to solve problems. The ability to analyze complex technical information 	
General Skills/Attributes	<ul style="list-style-type: none"> A logical, analytical, and creative approach to problem-solving Patience and detail-oriented Written communication Interpersonal skills Curiosity 	