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Careers

Student name

Institution affiliation

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Part 1

Network Administrator

Responsibilities

The network administrator will oversee that there is proper planning and design of the network that meet the needs of the company. The administrator should also ensure that they have set the network through proper configuration. In addition, they have an obligation of maintaining the network through administering both network service and security. Furthermore, they ensure expansion of the network to different places, which had not been covered.

Required Skill

The network administrators should depict high degree of professionalism in their work. In addition, they should have a good understanding of computers and excellence communication skills for proper service delivery.

Degree and Certification requirement

The degree will involve area such as information technology fundamentals, web development, interconnecting network devices, network server administration, and security. One can get certification from several bodies, which include; Microsoft Certified Solution Associate, CIW Java Script Specialist, and Cisco Certified Network Associate.

Potential Career path

The network administrator can start as a technician. If one gains more experience he/she can move to the supervision level and finally become manager. There is an opportunity for growth and development in this field though it is limited to within this area of specialization.

Database administrator

Responsibilities

The database administrator has the obligation of developing and enforcing database standards, reviewing backup and recovery strategies, monitoring database performance issues and reviewing the necessary storage media. They are also required to design the database and ensure that it suits the organization needs.

Required Skill

A database administrator should have good organization skill that will enable them to manage large pieces of information in the database. They should also possess high understanding of computer store and data retrieval, which is a component technical skill. In addition, they should show good interpersonal skills such as communication skill (International, 2013).

Degree and Certification requirement

The database administrators often pursue a degree in management information system or computer science. The certification will depend on the organization that will hire. Such bodies that certify a person will include; Microsoft Certified IT Professional (MCITP).

Potential Career path

The database administrator often gets into strategic management roles after passing through the position of senior database administrators'. Some will even rise to the ranks of chiefs' technology officers while others prefer to specialize in a different area where they become experts (System Administration Guide, Volume 3, 2010).

Computer Programmer

Responsibility

The main obligation of a computer programmer will compile documentation of the program. They also ensure that conduct a thorough analysis in terms of maintaining the organization systems. They are involved in system development to come up with new product that enables an organization to become efficient.

Required Skill

The computer programmers have an excellent memory since a lot of attention is required in doing this kind of job. They also are able to integrate different ideas into a more sensible program. In addition, they have good interpersonal skills that enable them to interact with their colleagues. They are very competent and show a lot of patience (Essential Skills: Computer Programming, 2012).

Degree and Certification requirement

The certification will differ depending on the employer. However, there are different bodies that can certify a person and they include; Microsoft Certified Professional Developers, Adobe Certified Expert (ACE) for Developers and Zend Certified Engineers (PHP Programming).

Potential Career path

A computer programmer can specialize in this area and become an expert. They can also start by creating their own programs. They can also be employed in different organizations as programmers.

Part 2

	Salary	Score
Network administrator	£75,000	4
Database administrator	£76,000	4
Computer programmer	£40,000	3

Part 3

From the discussion, I realize that there is big relationship between these three different disciplines. It has also created awareness that any path one chooses one can still make it in life. The most interesting attribute in these three careers is the job profile. They are all professionally defined and there seems to be no redundancy in teamwork.

References

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