

Career Center Career Choices

Technical Development

Technical Developers positions require either a degree in Computer Science or Computer Informatic Systems or some other college degree and a strong emphasis in computer-related courses. Many people enter the industry in some other area, such as in an Applications Developer or Support posit and then acquire additional education and skills on the job to move into a Technical Developer position. These positions require the highest level of technical knowledge and ability; they also invc the most challenging technical work.

Database Administrator

Creates and supports physical databases through knowledge of database management systems. Database Administrators determine the best ways to organize and store data, set up and test computer databases, an make changes to the databases when necessary.

Internet Engineer

Builds and maintains the program links between the Internet user interface and internal corporate systems. They maintain connectivity between Internet and internal system networks.

Software Engineer or Programmer

Writes, tests and maintains "code", the detailed instructions called programs or software that direct compute to perform processing functions. They analyze the specifications for the program or system (what it must do and how); design the logical flow, write, test and debug the code, and also provide technical documentation. They work on both systems software and more technically complex applications.

System Programmer

Maintains and controls computer systems software, such as operating systems, networks, and databases. They control the overall systems operation by changing the instruction sets that determine how the different parts - the network, the central processing units or servers and the peripherals - work together. They also provide technical support to application developers, plan and evaluate hardware and software purchases, ar monitor systems efficiency and security.

Test Developer, Testing Specialist

Designs test plans and uses software tools to test programs, making sure that the programs operate as intended. They use tools to create test "scripts" and sample data for testing. These scripts are then executed automatically to test each step of a program's operations. The results - how the sample data has been chan by the program - are then compared to the original design. Testers may also conduct system or integration testing, seeing that a series of programs works together correctly. The work may require training or experier with specific skills such as regression testing, black box testing, white box testing , hi-volume testing, etc. TF is a good entry-level position for persons who have some training or experience in programming but no computer-related college degree and want to acquire the skills and experience to become a programmer or software developer.

QA Engineer, QA Specialist - see Test Developer, Testing Specialist

Web Engineer - see Internet Engineer

