

List of Occupations

In order to proceed more quickly during the interview, please indicate the number of people currently employed and the number of people working on contract at this location, in each of the IT occupations listed below. For our purposes, workers hired on contract are either employed by another company or are self-employed and a lump sum of money is paid for their services for a specified project or period of time.

NOTE: Each employee or contract worker should be assigned to only one occupation group. If an employee or contract worker performs more than one job, then the occupation for which they spend the MOST NUMBER of hours should be assigned.

Information Technology Occupations	Employees	Contract Workers
<p>Computer and Information Systems Managers Computer and information systems managers plan, organize, direct, control and evaluate the activities of organizations that analyse, design, develop, implement, operate and administer computer and telecommunications software, networks and information systems.</p>		
<p>Information Technology (IT) Project Managers IT Project Managers coordinate systems development for major applications; define project requirements including information and data needs, business analysis and programming; and develop, plan, analyze, evaluate and assign priorities to deliverables and requirements. Additionally, they define project phases, set deadlines and direct staff.</p>		
<p>E-commerce Managers E-commerce managers plan, organize, direct, control and evaluate the design, development and maintenance of Internet and Intranet sites to manage an organization's Internet presence including public relations, communications and commercial activities.</p>		
<p>Electrical and Electronics Engineers Electrical and electronics engineers design, plan, research, evaluate and test electrical and electronic equipment and systems.</p>		
<p>Computer and Telecommunications Hardware Engineers Computer and telecommunications hardware engineers analyze user's requirements, and design and develop system architecture and specifications; research, design, develop and integrate computer and telecommunications hardware such as microprocessors, integrated circuit boards and semiconductor lasers; develop and conduct design verification simulations and prototype bench tests of components; supervise, inspect and provide design support during the manufacturing, installation and implementation of computer and telecommunications hardware; establish and maintain relationships with suppliers and clients.</p>		
<p>Network Systems and Data Communication Engineers Network system and data communication engineers research, design and develop information and communication system network architecture; research, evaluate and integrate network system and data communication hardware and software; assess, document and optimize the capacity and performance of information and communication system networks.</p>		
<p>Information Systems Business Analysts and Consultants Information systems business analysts and consultants confer with clients to identify and document requirements; conduct business and technical studies; design, develop and implement information systems business solutions; and provide advice on information systems strategy, policy, management and service delivery.</p>		
<p>Systems Security Analysts Systems security analysts assess physical and technical security risks to data, software and hardware; and develop policies, procedures and contingency plans to minimize the effects of security</p>		

Database analysts design, develop and administer data management solutions using database management software. Database analysts perform some or all of the following duties: collect and document user's requirements; design and develop database architecture for information systems projects; design, construct, modify, implement and test data models and database management systems; conduct research and provide advice to other informatics professionals regarding the selection, application and implementation of database management tools; operate database management systems to analyse data.		
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<p>Data Administrators</p> <p>Data administrators develop and implement data administration policy, standards and models; research and document data requirements, data collection and administration policy, and data access rules; develop policies and procedures for network access and usage and for the backup and recovery of data; conduct research and provide advice to other information systems professionals regarding the collection, availability and suitability of data.</p>		
<p>Software Engineers</p> <p>Software engineers research, design, evaluate, integrate and maintain software applications, technical environments, operating systems, embedded software, information warehouses, and telecommunications software.</p>		
<p>Computer Programmers</p> <p>Computer programmers write, modify, integrate and test computer code for microcomputer and mainframe software applications, data processing applications, operating systems-level software and communications software.</p>		
<p>Interactive Media Developers</p> <p>Interactive media developers write, modify, integrate and test computer code for internet applications, computer-based training software, computer games, film, video and other interactive media.</p>		
<p>Web Designers and Developers</p> <p>Web designers and developers research, design, develop and produce internet and intranet sites; consult with clients to develop and document web site requirements; prepare mock-ups and storyboards; develop web site architecture and determine hardware and software requirements; source, select and organize information for inclusion and design the appearance, layout and flow of the web site; create and optimize content for web site using a variety of graphics, database, animation and other software; research and evaluate a variety of interactive media software products.</p>		
<p>Electrical and Electronics Engineering Technologists and Technicians</p> <p>Electrical and electronics engineering technologists and technicians may work independently or provide technical support and services in the design, development, testing, production and operation of electrical and electronic equipment and systems.</p>		
<p>Computer and Network Operators</p> <p>Computer and network operators establish, operate, maintain, and co-ordinate the use of local and wide area networks (LANs and WANs), mainframe networks, hardware, software and related computer equipment.</p>		
<p>Web Technicians</p> <p>Web technicians set up and maintain internet and intranet web sites and web server hardware and software, and monitor and optimize network connectivity and performance.</p>		
<p>User Support Technicians</p> <p>User support technicians provide first-line technical support to computer users experiencing difficulties with computer hardware and with computer applications and communications software.</p>		
<p>Systems Testing Technicians</p> <p>Systems testing technicians execute test plans to evaluate the performance of software applications</p>		

Graphic Designers

Graphic designers conceptualize and produce graphic art and visual materials to effectively communicate information for publications, advertising, films, packaging, posters, signs and interactive media such as web sites and CD-ROMs.

Illustrators

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