

COMPUTER ASSOCIATE (SOFTWARE)

Duties and Responsibilities

This class of positions encompasses technical or supervisory responsibilities for the analysis, design, development, implementation, troubleshooting, enhancement, maintenance, and security of software systems and applications performed at varying levels of difficulty and with varying degrees of latitude for independent initiative and judgment. There are three Assignment Levels within this class of positions differing according to the complexity and sophistication of the hardware and software systems and the amount of supervision required. The following are typical assignments within this class of positions. All personnel perform related work.

Assignment Level I

Under direct supervision, with moderate latitude for independent action or the exercise of independent initiative and judgment, is responsible for the analysis, design, development, implementation, troubleshooting, enhancement, maintenance and security of database management systems, operating systems, data communications systems, applications, websites and/or related software functions. Diagnoses problems and communicates technical issues to technical and non-technical audiences. Creates, maintains and implements source code and may participate in application analysis and testing. Prepares program specifications and diagrams, develops logic flowcharts and documents program development and revisions. May supervise staff performing these functions.

COMPUTER ASSOCIATE (SOFTWARE) (continued)

Assignment Level II

Under general supervision, with considerable latitude for independent initiative and judgment, may supervise a unit or group of subordinate employees engaged in the analysis, design, development, implementation, troubleshooting, enhancement, maintenance and security of database management systems, operating systems, data communications systems, applications, mobile applications, websites and/or related software functions; or may perform work of complex, technical difficulty as an individual contributor on a major project.

Assignment Level III

Under direction, with broad scope for independent initiative and judgment, may supervise a unit, group or large division of subordinate staff engaged in the analysis, design, development, implementation, troubleshooting, enhancement, maintenance and security of database management systems, operating systems, data communications systems, applications, mobile applications, websites, and/or related software functions; or may perform highly complex difficult technical work as an individual contributor on a major project.

Qualification Requirements

1. A baccalaureate degree from an accredited college including or supplemented by 24 semester credits in computer science or a related computer field and one year of satisfactory full-time computer software experience in computer systems development and analysis, applications programming, database administration, maintenance and support, systems programming, data communications, mainframe development, mobile development, web development and design; or

COMPUTER ASSOCIATE (SOFTWARE) (continued)

Qualification Requirements (continued)

2. A four-year high school diploma or its educational equivalent and five years of satisfactory full-time computer software experience as described in "1" above;
or
3. Education and/or experience equivalent to "1" or "2" above. College education may be substituted for up to two years of the required experience in "2" above on the basis that 60 semester credits from an accredited college is equated to one year of experience. In addition, 24 semester credits from an accredited college or graduate school in computer science or a related field, or a certificate of at least 625 hours in computer programming from an accredited technical school (post high school), may be substituted for one year of experience. However, all candidates must have at least a four-year high school diploma or its educational equivalent and at least one year of satisfactory full-time experience as described in "1" above.

Direct Lines of Promotion

From: Computer Programmer
Analyst (13651)

To: Computer Specialist
(Software) (13632)
Computer Systems
Manager (M 10050)