

Areas of IS Employment Computer Programmer

Unit 1: The Role of the Software
Professional



Computer Programmer

Skills And Abilities

What do you think are needed?

Computer Programmer

♦ Skills/Abilities Needed

- ♦ Need to be detail oriented
- ♦ Must like working with the computer
- ♦ Ready for over-time
- ♦ Self-motivated
- ♦ Able to work both in a team and independently
- ♦ Able to handle stress

♦ Skills/Abilities Needed

- ♦ Be able to create applications that are quality, on-time, in-budget
- ♦ Must be patient
- ♦ Must be dedicated
- ♦ Able to think logically and creatively
- ♦ Thorough and methodical
- ♦ Have good communication skills
- ♦ Willing to try new things



Computer Programmer

Job Duties

What kinds of things do PROGRAMMERS do?

Computer Programmer

♦ Job Duties

- ♦ Design, develop, test, and debug all styles of applications
- ♦ Convert designs and specifications into code
- ♦ Analyze existing programs to find cause of errors and revise code as necessary
- ♦ Deliver high-quality and useable code in a timely fashion
- ♦ Analyze, install, and test upgrades of externally developed application programs

Computer Programmer

- ◆ Job Duties (continued)
 - ◆ Monitor performance of programs after implementation to keep up-to-date on users' needs and possible software bugs
 - ◆ Write and review documentation that describes installation and operating procedures.
 - ◆ Design and code screen layouts, graphical user interfaces, printed outputs, and interfaces with other systems.

Computer Programmer

- ◆ Job Duties (cont)
 - ◆ Compile programs and correct errors detected in the compiling process.
 - ◆ Interact with users to keep in touch with everyday problems and bugs that may be found by the users.
 - ◆ Provide technical assistance by responding to inquiries regarding programming errors, problems, or questions.
 - ◆ Gather user requirements/needs

Computer Programmer

- ◆ Job Duties continued
 - ◆ Convert needs to product specifications/design documents
 - ◆ Attend meetings
 - ◆ Evaluate solutions