



The Fundamentals of Java Programming Alignment to Standardized Job Clusters

Job Cluster Description - Java

The Fundamentals of Java Programming course provides a strong foundation that can be applied to a wide variety of careers in many industries. The career options listed below are representative of the type of job titles aligned with the skills obtained by students that have completed the Java curriculum.

Programmer Entry Level

Assists in programming, maintaining and implementing computer systems in accordance with established standards. Converts symbolic statements to detailed logical flow charts for coding into computer language. Works under direct supervision. Reports to a manager.

Software Application Support Entry Level

Designs, modifies, develops, writes and implements simple software programming applications. Supports and installs software applications. Participates in the testing process through test review and analysis, test witnessing and certification of software. Relies on instructions and pre-established guidelines to perform the functions of the job. Little creativity is required. Works under direct supervision. Reports to a manager.

Software Quality Assurance Specialist Entry Level

Participates in quality reviews on all software prior to delivery. Tests application software, tracks test results and checks software configuration. Utilizes processes and software that ensure the quality, reliability, and system safety and security. Utilizes methods, procedures, and metrics needed to ensure that quality standards and practices are attained. Assists users in setting up and executing user acceptance test cases. Documents set up and administers a library of requisite test cases for applications, and reports results to the development team. Works under direct supervision. Reports to a manager.

Systems Analyst Entry Level

Consults with users to identify current operating procedures and to clarify program objectives. Has limited knowledge of commonly used concepts, practices, and procedures within a particular field or industry. Likely codes, tests, debugs and installs application systems. Little creativity is required. Reports to a manager.

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