

**Skill Area and Skill Proficiency**  
**(7) Application Specialist**

## Skill Area

Job category: Application Specialist

# Skill Area of Application Specialist

	Specialty field	Skill Items
Job category common skill item	z  All specialty field	<ul style="list-style-type: none"> <li>●<b>Analysis of Business Operations</b> Analysis of business operation requirement, Analysis of technical requirements, Industry knowledge, Systemization strategy formulation, Definition of platform requirements, System value verification, Informatization and management, Generic* business content, Latest generic business trends, etc</li> <li>●<b>Technology</b> System platform technology, Latest technology trends, Latest trends of application package, Computer science fundamentals, Computer systems, System development environment, Understanding and utilization of network technologies, Database technologies, Database design, Relationship of synchronization points between transaction processes and database, Internet technologies, etc</li> <li>●<b>Design</b> Requirements definition, Design of development environment for industrial package, Development environmental design, Database, Middleware, Distributed computing design, Industrial package design, Understanding and utilization of modeling techniques, etc</li> <li>●<b>Software Engineering</b> Design methods, Development methods, Utilization of development support tools, Programming techniques, Programming languages, Testing techniques, Reuse methods, Security and privacy, Implementation and inspection of security systems, External design, Internal design, Object-oriented development, Program design, Utilization of verification methods, Standardization, System audit, Technology verification methods, etc</li> </ul> <ul style="list-style-type: none"> <li>●<b>Utilization of Consulting Techniques</b> Selection and utilization of consulting techniques, Understanding and utilization of analysis tools and models</li> <li>●<b>Knowledge Management and Utilization</b> Management and utilization of knowledge</li> <li>●<b>Project Management</b> Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project Human Resource Management, Project Communications Management, Project Risk Management, Project Procurement Management</li> <li>●<b>Leadership</b> Leadership</li> <li>●<b>Communication</b> 2-Way communication, Transmission of information, Organization, analysis and retrieval of information</li> <li>●<b>Negotiation</b> Negotiation</li> </ul>
	Specialty field specific skill	<ul style="list-style-type: none"> <li>●<b>Development of Business Systems</b> Business environment, Business content, Latest business trends, Business application design</li> </ul> <ul style="list-style-type: none"> <li>●<b>Implementation of Application Package</b> Latest trends of application package, Implementation design of application package, Selection of runtime environment for application package, Installation of application package, Performance tuning of application package, Development method of application package implementation</li> </ul>

<Note> Important skills and knowledge for IT professionals are marked with "X" in skill dictionary (corresponding table of ITEE) even if that skills and knowledge are not belonged to the specialty field in the job category as Application Specialist.

\*Generic means "for Human Resources, Accounting, Administration Business, etc."

## Skill Proficiency/Knowledge Items

Job category: Application Specialist

Specialty field: Business application system

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Analysis of Business Operations</p> <p>[Knowledge Items]</p> <p>-Analysis of business operation requirements</p> <p>-Analysis of technical requirements</p> <p>-Industry knowledge</p> <p>-Systemization strategy formulation</p> <p>-Definition of platform requirements</p> <p>-System value verification</p> <p>-Informatization and management</p> <p>-Generic business content</p> <p>-Latest generic business trends</p>	Level 7	
	Level 6	Able to carry out the complex and advanced analysis of business and technical requirements from the perspective of industry and technology trends, ensuring the consistency with management strategy and systemization strategy, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to carry out the analysis of business and technical requirements, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to carry out the analysis of business and technical requirements, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to carry out the analysis of business and technical requirements in the assigned area, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>● Technology</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-System platform technology</li> <li>-Latest technology trends</li> <li>-Latest trends of application package</li> <li>-Computer science fundamentals</li> <li>-Computer systems</li> <li>-System development environment</li> <li>-Understanding and utilization of network technologies</li> <li>-Database technologies</li> <li>-Database design</li> <li>-Relationship of synchronization points between transaction processes and database</li> <li>-Internet technologies</li> <li>-Programming languages, Markup languages</li> <li>-Middleware technologies</li> <li>-Basic function of relational database management systems</li> <li>-Latest trends of IT market</li> <li>-System management technologies</li> <li>-Platform technologies</li> <li>-Product knowledge (platforms)</li> <li>-System management methods</li> <li>-Selection of database management system (DBMS)</li> <li>-Installation of database management system (DBMS)</li> </ul> <ul style="list-style-type: none"> <li>-Important techniques for database development</li> <li>-Database related technology</li> <li>-Database related technology trends</li> <li>-Network systems technology trends</li> <li>-Knowledge of network products</li> <li>-Network standards</li> <li>-Network system Implementation Technology</li> <li>-Server placement techniques</li> <li>-Application execution method</li> <li>-Server technology</li> <li>-Load distribution and availability</li> <li>-Distributed computing development environments</li> <li>-User interface technology</li> <li>-Application security</li> <li>-Understanding and utilization of security technologies</li> <li>-Security technology trends</li> <li>-Implementation and inspection of security systems</li> <li>-Data modeling</li> <li>-Database operation design</li> <li>-Understanding and utilization of computer system architectures and fundamental technologies</li> </ul>	Level 7	
	Level 6	Able to lead the whole phases of development by solving highly complex technical problems, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to perform the whole phases of development by solving highly complex technical problems, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform the whole phases of development by solving highly complex technical problems, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to carry out the design, development, and installation of the business application system by solving technical problems in the assigned area, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Design</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-Requirements definition</li> <li>-Design of development environment for industrial package</li> <li>-Development environmental design</li> <li>-Database</li> <li>-Middleware</li> <li>-Distributed computing design</li> <li>-Industrial package design</li> <li>-Understanding and utilization of modeling techniques</li> </ul>	Level 7	
	Level 6	Able to carry out complex and advanced application design that meets development environment requirements and database requirements, by leading technical team, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to carry out complex and advanced application design that meets development environment requirements and database requirements, by providing technical guidance to technical team, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to carry out application design that meets development environment requirements and database requirements, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to practice application design in the assigned area, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Software Engineering</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-Design methods</li> <li>-Development methods</li> <li>-Utilization of development support tools</li> <li>-Programming techniques</li> <li>-Programming languages</li> <li>-Testing techniques</li> <li>-Reuse methods</li> <li>-Security and privacy</li> <li>-Implementation and inspection of security systems</li> <li>-External design</li> <li>-Internal design</li> <li>-Object-oriented development</li> <li>-Program design</li> <li>-Utilization of verification methods</li> <li>-Standardization</li> <li>-System audit</li> <li>-Technology verification methods</li> </ul>	Level 7	
	Level 6	Able to perform system development by leading technical team related to software engineering technology such as optimum development techniques, development support tools and test techniques, etc, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to perform system development by providing technical guidance to technical team on software engineering technology such as optimum development techniques, development support tools and test techniques, etc, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform system development by giving advice to less-experienced members on software engineering technology such as optimum development techniques, development support tools and test techniques, etc, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to practice system development by using software engineering technology in the assigned area, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Utilization of consulting techniques</p> <p>[Knowledge Items]</p> <p>-Selection and utilization of consulting techniques</p> <p>-Understanding and utilization of analysis tools and models</p>	Level 7	
	Level 6	Able to perform the project successfully by carrying out selection and application of optimum consulting techniques, definition and practice of process, and definition and creation of deliverables, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to perform the project successfully by carrying out selection and application of optimum consulting techniques, definition and practice of process, and definition and creation of deliverables, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform the project by applying consulting techniques, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to participate in the project by understanding consulting techniques, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Knowledge management and utilization</p> <p>[Knowledge Items]</p> <p>-Management and utilization of knowledge</p>	Level 7	
	Level 6	Able to perform the project effectively and with high quality, by carrying out properly database creation of knowledge, its utilization, maintenance, and management in the whole process from project preparation to its completion, and post-completion, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to perform the project effectively and with high quality, by carrying out properly database creation of knowledge, its utilization, maintenance, and management in the whole process from project preparation to its completion, and post-completion, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform the project effectively and with high quality, by carrying out database creation of knowledge, its utilization, maintenance, and management, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to perform the project effectively and with high quality, by carrying out database creation of knowledge, its utilization, maintenance, and management, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Project Management</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-Project Integration Management</li> <li>-Project Scope Management</li> <li>-Project Time Management</li> <li>-Project Cost Management</li> <li>-Project Quality Management</li> <li>-Project Human Resource Management</li> <li>-Project Communications Management</li> <li>-Project Risk Management</li> <li>-Project Procurement Management</li> </ul>	Level 7	
	Level 6	<p>Able to perform the project management such as project plan development, its implementation, and change management, in collaboration with project managers, as a person responsible for the team of the application development project with 50 or more persons during peak periods.</p>
	Level 5	<p>Able to perform the project management such as project plan development, its implementation, and change management, in collaboration with project managers, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.</p>
	Level 4	<p>Able to perform the project management such as project plan development, its implementation, and change management, in collaboration with project managers, as a team leader of the application development project with 3 or more persons during peak periods.</p>
	Level 3	<p>Able to carry out either one of the main project management such as project plan development, its implementation, and change management in the assigned area, as a team member of the application development project.</p>

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <ul style="list-style-type: none"> <li>●Leadership</li> </ul> <p>[Knowledge Items]</p> <p>-Leadership</p>	Level 7	
	Level 6	Able to perform the whole phases of development by issuing instructions and orders, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to perform the whole phases of development by issuing instructions and orders, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform the project by issuing instructions and orders, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to participate in the assigned area of development team, as a team member of the application development project.

Specialty area:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Communication</p> <p>[Knowledge Items]</p> <p>-2-Way communication -Transmission of information -Organization, analysis, and retrieval of information</p>	Level 7	
	Level 6	Able to speak about the business application system with the person in charge on user side, as a person responsible for the team of the application development project with 50 or more persons during peak periods. In addition, able to perform proper 2-way communication, transmission of information and information processing with technical team members.
	Level 5	Able to speak about the business application system with the person in charge on user side, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods. In addition, able to perform proper 2-way communication, information transmission and information processing with technical team members.
	Level 4	Able to perform the project by keeping team communication with project members, as a team leader of the application development project with 3 or more persons during peak periods.
	Level 3	Able to facilitate proper team communication by understanding project team situation accurately, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Negotiation</p> <p>[Knowledge Items]</p> <p>-Negotiation</p>	Level 7	
	Level 6	Able to set up a goal and make agreements on technical problems on a logical basis with the person in charge on user side, as a person responsible for the team of the application development project with 50 or more persons during peak periods.
	Level 5	Able to set up a goal and make agreements on technical problems on a logical basis with a person in charge on user side, as a person responsible for the team of the application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to make agreements with project team members on technical problems, as a team leader of the application development project with 3 persons or more during peak periods.
	Level 3	Able to obtain information and data required for the project through negotiations, by understanding project team situation accurately, as a team member of the application development project.

Specialty field:

Business application systems

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Specialty field specific skill item]</p> <p>●Development of Business Systems</p> <p>[Knowledge Items]</p> <p>-Business environment -Business content -Latest business trends -Business application design</p>	Level 7	
	Level 6	Able to perform the project successfully in the whole phases of development from system planning, installation to migration, as a person responsible for the team of the generic application development project with 50 or more persons during peak periods.
	Level 5	Able to perform the project successfully in the whole phases of development from system planning, installation to migration, as a person responsible for the team of the generic application development project with 10 or more but less than 50 persons during peak periods.
	Level 4	Able to perform the project as the team leader of the generic application development project with 3 or more persons during peak periods.
	Level 3	Able to carry out work in a series of phases of design, development and installation, responsible for the implementation in the assigned area as a team member of the generic application development project.

## Skill Proficiency/Knowledge Items

Job category: Application Specialist

Specialty field: Business Application package

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Analysis of Business Operations</p> <p>[Knowledge Items]</p> <p>-Analysis of business operation requirements</p> <p>-Analysis of technical requirements</p> <p>-Industry knowledge</p> <p>-Systemization strategy formulation</p> <p>-Definition of platform requirements</p> <p>-System value verification</p> <p>-Informatization and management</p> <p>-Generic business content</p> <p>-Latest generic business trends</p> <p>-Fit and gap technique</p> <p>-Application package specific knowledge</p>	Level 7	
	Level 6	Able to carry out the complex and advanced analysis of business and technical requirements with application package specific knowledge, from the prospective of industry and technical trends, ensuring consistency with management strategy and systemization strategy, as a person responsible for the team of the application package implementation project with 35 person or more during peak periods.
	Level 5	Able to carry out the analysis of business and technical requirements with application package specific knowledge, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to carry out the analysis of business and technical requirements with application package specific knowledge, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to carry out the analysis of business and technical requirements in the assigned area with application package specific knowledge, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Technology</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-System platform technology</li> <li>-Latest technology trends</li> <li>-Latest trends of business application package</li> <li>-Computer science fundamentals</li> <li>-Computer systems</li> <li>-System development environment</li> <li>-Understanding and utilization of network technologies</li> <li>-Database technologies</li> <li>-Database design</li> <li>-Relationship of synchronization points between transaction processes and databases</li> <li>-Internet technologies</li> <li>-Programming languages, Markup languages</li> <li>-Middleware technologies</li> <li>-Basic function of relational database management systems</li> <li>-Latest trends of IT market</li> <li>-System management technologies</li> <li>-Platform technologies</li> <li>-Product knowledge (platforms)</li> <li>-System management methods</li> <li>-Selection of database management systems (DBMS)</li> <li>-Installation of database management systems (DBMS)</li> </ul> <ul style="list-style-type: none"> <li>-Important techniques for database development</li> <li>-Database related technology</li> <li>-Database related technology trends</li> <li>-Network systems technology trends</li> <li>-Knowledge of network products</li> <li>-Network standards</li> <li>-Network system implementation technology</li> <li>-Server placement techniques</li> <li>-Application execution method</li> <li>-Server technology</li> <li>-Load distribution and availability</li> <li>-Distributed computing development environments</li> <li>-User interface technology</li> <li>-Application security</li> <li>-Understanding and utilization of security technologies</li> <li>-Security technology trends</li> <li>-Implementation and inspection of security systems</li> <li>-Data modeling</li> <li>-Database operation design</li> <li>-Understanding and utilization of computer system architectures and fundamental technologies</li> <li>-Understanding and utilization of application package system architectures and fundamental technologies</li> <li>-Application package database structure</li> </ul>	Level 7	
	Level 6	Able to lead the whole phases of development, by solving highly complex technical problems in the application package and the entire area of related systems, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to perform the whole phases of development, by solving highly complex technical problems in the application package and the entire area of related systems, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to perform the whole phases of development, by solving highly complex technical problems in the application package and the entire area of related systems, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to carry out design, development, and installation of application system, by solving technical problems in the assigned area, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Design</p> <p>[Knowledge Items]</p> <p>-Requirements definition</p> <p>-Design of development environment for industrial package</p> <p>-Development environmental Design</p> <p>-Database</p> <p>-Middleware</p> <p>-Distributed computing design</p> <p>-Industrial package design</p> <p>-Understanding and utilization of modeling techniques</p> <p>-Application package system function</p> <p>-Application package constraint</p> <p>-Application package database structure</p> <p>-Fit and gap techniques</p>	Level 7	
	Level 6	Able to carry out complex and advanced application design that meets development environment requirements and database requirements, by leading the technical team in order to utilize application package, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to carry out complex and advanced application design that meets development environment requirements and database requirements, by providing technical guidance for the technical team in order to utilize application package, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to carry out application design that meets development environment requirements and database requirements in order to utilize application package, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to practice application design in the assigned area, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Software Engineering</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-Design methods</li> <li>-Development methods</li> <li>-Utilization of development support tools</li> <li>-Programming techniques</li> <li>-Programming languages</li> <li>-Testing techniques</li> <li>-Reuse methods</li> <li>-Security and privacy</li> <li>-Implementation and inspection of security systems</li> <li>-External design</li> <li>-Internal design</li> <li>-Object-oriented development</li> <li>-Program design</li> <li>-Utilization of verification methods</li> <li>-Standardization</li> <li>-System audit</li> <li>-Technology verification methods</li> <li>-Application package specific programming language and test techniques</li> </ul>	Level 7	
	Level 6	<p>Able to perform development by leading the technical team on software engineering technology such as optimum development techniques, development support tools, and test techniques, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.</p>
	Level 5	<p>Able to perform development by providing technical guidance for the technical team on software engineering technology such as optimum development techniques, development support tools, and testing techniques, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.</p>
	Level 4	<p>Able to perform development by providing advice to less-experienced members on software engineering technology such as optimum development techniques, development support tools, and test techniques, as a team leader of the application package implementation project with 3 or more persons during peak periods.</p>
	Level 3	<p>Able to practice development by using software engineering technology on an application operation development utilizing an application package in the assigned area, as a team member of the application package implementation project.</p>

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Utilization of consulting techniques</p> <p>[Knowledge Items]</p> <p>-Selection and utilization of consulting techniques</p> <p>-Understanding and utilization of analysis tools and models</p>	Level 7	
	Level 6	<p>Able to carry out the project successfully, by performing selection and application of optimum consulting techniques to utilize features of application package, definition and practice of processes, and definition and creation of deliverables, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods. In addition, make a suggestion of "Change Management" depending on the situation, in order to ensure success of project and post-project.</p>
	Level 5	<p>Able to carry out the project successfully by performing selection and application of optimum consulting techniques to utilize features of application package, definition and practice of processes, and definition and creation of deliverables, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods. In addition, make a suggestion of "Change Management" depending on the situation, in order to ensure success of project and post-project.</p>
	Level 4	<p>Able to carry out the project by performing application of consulting techniques to utilize features of application package, as a team leader of the application package implementation project with 3 or more persons during peak periods.</p>
	Level 3	<p>Able to participate in the project by understanding consulting techniques, as a team member of the application package implementation project.</p>

Specialty field: Business application packages	Skill Proficiency/Knowledge Items of Application Specialist	
Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Knowledge Management and Utilization</p> <p>[Knowledge Items]</p> <p>-Management and utilization of knowledge</p>	Level 7	
	Level 6	Able to perform the project effectively and with high quality, by carrying out properly database creation of knowledge, its utilization, maintenance, and management in the whole process from project preparation, start to completion, and post completion, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to perform the project effectively and with high quality, by carrying out properly database creation of knowledge, its utilization, maintenance, and management in the whole process from project preparation, start to completion, and post completion, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to perform the project effectively and with high quality, by carrying out database creation of knowledge, its utilization, maintenance, and management, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to perform the project effectively and with high quality, by carrying out database creation of knowledge, its utilization, maintenance, and management, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Project Management</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> <li>-Project Integration Management</li> <li>-Project Scope Management</li> <li>-Project Time Management</li> <li>-Project Cost Management</li> <li>-Project Quality Management</li> <li>-Project Human Resource Management</li> <li>-Project Communications Management</li> <li>-Project Risk Management</li> <li>-Project Procurement Management</li> </ul>	Level 7	
	Level 6	Able to perform the main project management suitable for application package such as project plan development, its implementation and change management, in collaboration with project managers, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to perform the main project management suitable for application package such as project plan development, its implementation and change management, in collaboration with project managers, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to perform the main project management suitable for application package such as project plan development, its implementation, and change management, in collaboration with project managers, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to perform either one of main project management such as project plan development, its implementation and change management, on the development of application business operation to utilize application package in the assigned area, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <ul style="list-style-type: none"> <li>●Leadership</li> </ul> <p>[Knowledge Items]</p> <p>-Leadership</p>	Level 7	
	Level 6	Able to perform the whole phases of development by issuing instructions and orders, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to perform the whole phases of development by issuing instructions and orders, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to perform the project by issuing instructions and orders, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to participate in the assigned area, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Communication</p> <p>[Knowledge Items]</p> <p>-2-Way communication -Transmission of information -Organization, analysis, and retrieval of information</p>	Level 7	
	Level 6	Able to speak about the application system with a person in charge on user side, as a person responsible for the team of the application package implementation project with 35 persons or more during peak periods. In addition, able to perform proper 2-way communication, transmission of information and information processing with technical team members.
	Level 5	Able to speak about the application system with a person in charge on user side, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods. In addition, able to perform proper 2-way communication, transmission of information and information processing with technical team members.
	Level 4	Able to perform the project, keeping good team communication with project members, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to understand project team situation accurately and facilitate proper communication with project members, as a team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Job category common skill item]</p> <p>●Negotiation</p> <p>[Knowledge Items]</p> <p>-Negotiation</p>	Level 7	
	Level 6	Able to set up goals and able to make agreements on technical problems on a logical basis with a person in charge of business operation on user side, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to set up goals and able to make agreements on technical problems on a logical basis with a person in charge of business operation on user side, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to make agreements with project team members on technical problems, as the team leader of the application package implementation project with 3 persons or more during peak periods.
	Level 3	Able to understand project team situation accurately and obtain information and data required for the project through negotiations, as the team member of the application package implementation project.

Specialty field:

Business application packages

## Skill Proficiency/Knowledge Items of Application Specialist

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Specialty area specific skill item]</p> <p>● Implementation of Application Package</p> <p>[Knowledge Items]</p> <p>-Latest trends of application package            -Implementation design of application package            -Selection of runtime environment for application package            -Installation of application package            -Performance tuning of application packages            -Development method of application package implementation</p>	Level 7	
	Level 6	Able to perform the implementation successfully by using application package specific skills in the whole phases of development from system planning, installation to migration, as well as give suggestions based on future trends in application package and system strategy, as a person responsible for the team of the application package implementation project with 35 or more persons during peak periods.
	Level 5	Able to perform the implementation successfully by utilizing application package specific skills in the whole phases of development from system planning, installation to migration based on system strategy, as a person responsible for the team of the application package implementation project with 10 or more but less than 35 persons during peak periods.
	Level 4	Able to perform the project, improving quality and value of deliverables in the assigned area, by using application package specific skills, as a team leader of the application package implementation project with 3 or more persons during peak periods.
	Level 3	Able to perform a series of task for design, development and installation, by using application package specific skills, being responsible for the implementation of the assigned area, as a team member of the application package implementation project.

