

Skill Area and Skill Proficiency

(4) IT Architect

English edition Draft 1.0 December.2006

Skill Area

Job career: IT Architect

Skill Area of IT Architect

	Specialty Field	Skill Item
Career common skill item	All Specialty Field	<ul style="list-style-type: none"> ●Design of Architecture Analytical and definition of requirements (constraints), Definition of architecture design policy, Design of IT architecture, Feasibility evaluation from the viewpoints of architecture and technology, Defining technological problem and analytical of alternatives, Evaluation of platform and component technology ●Design Techniques Understanding of modeling techniques, Understanding and adaptation of data modeling techniques, Understanding and adaptation of process modeling skill, Understanding and adaptation of performance modeling techniques, Understanding and adaptation of application design techniques, Understanding and adaptation of infrastructure design techniques ●Standardization and Reuse Definition of development standards, Definition of IT standards based on basic principles, Reuse of existing assets, Understanding and adaptation of reuse techniques, Development and adaptation of assets for reuse, Understanding of reuse asset management process ●Utilization of Consulting Techniques Selection and adaptation of consulting techniques, Understanding and utilization of analytical tools and models ●Knowledge Management and Utilization Management and utilization of intellectual properties ●Technology Grasp of IT industry trends, Grasp of trends in related technology (IT), Understanding and adaptation of standards for related technology (IT) ●Industry (business) Grasp of related industry trends, Grasp of applications in related industries, Understanding and application of the standards of related industries (businesses) ●Project Management 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 ●Leadership Leadership ●Communication 2Way communication, Distribution of information, Organization and analytical and retrieval of information ●Negotiation Negotiation
	Application architecture	<ul style="list-style-type: none"> ●Application architecture design Definition of functional requirements, Design of functional architecture, Evaluation of the feasibility of functional architecture
	Integration architecture	<ul style="list-style-type: none"> ●Design of integration architecture Definition of integration requirements, Integration architecture design, Evaluation of feasibility of integrated architecture
	Infrastructure architecture	<ul style="list-style-type: none"> ●Design of infrastructure architecture Definition of requirements of infrastructure (mainly non-functional requirements), Design of infrastructure architecture, Evaluation of feasibility of infrastructure architecture
Specialty Field specific skill item		

Skill Proficiency/Knowledge Items

Job career: IT Architect

Specialty Field: Application architecture

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design of Architecture</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Analytical and definition of requirements (constraints) -Definition of architecture design policy -Design of IT architecture -Feasibility evaluation from the viewpoints of architecture and technology -Defining technological issue and analytical of alternatives -Evaluation of platform and component technology 	Level 7	Able to carry out breaking down and re-composition, of user demand to architecture requirements, design of IT architecture, and evaluation of its feasibility, as a responsible person of solution design in the project with 500 persons or more during peak periods, in which multiple IT architects participate in. In addition, able to present the related subjects at academic societies, technical communities, and symposia.
	Level 6	Able to carry out breaking down and re-composition, of user demand to architecture requirements, design of IT architecture, and evaluation of its feasibility, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods, in which multiple IT architects participate in.
	Level 5	Able to carry out breaking down and re-composition, of user demand to architecture requirements, design of IT architecture, and evaluation of its feasibility, as a responsible person of solution design in the project from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out breaking down and re-composition, of user demand to architecture requirements, design of IT architecture, and evaluation of its feasibility, as a responsible person of solution design in the project with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design Techniques</p> <p>[Knowledge Items]</p> <p>-Understanding of modeling techniques</p> <p>-Understanding and adaptation of data modeling techniques</p> <p>-Understanding and adaptation of process modeling skill</p> <p>-Understanding and adaptation of performance modeling techniques</p> <p>-Understanding and adaptation of application design techniques</p> <p>-Understanding and adaptation of infrastructure design techniques</p>	Level 7	Able to carry out IT architecture design, by carrying out selection and application of optimum methodologies and modeling techniques, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design, by carrying out selection and application of optimum methodologies and modeling techniques, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design, by carrying out selection and application of optimum methodologies and modeling techniques, as a responsible person of solution design in the project from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by carrying out selection and application of optimum methodologies and modeling techniques, as a responsible person of solution design in the project with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Standardization and Reuse</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Definition of development standards -Definition of IT standards based on basic principles -Reuse of existing assets -Understanding and adaptation of reuse techniques -Development and adaptation of assets for reuse -Understanding of reuse asset management process 	Level 7	Able to carry out IT architecture design effectively and with high quality, and to promote standardization and reuse, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design effectively and with high quality, and to promote standardization and reuse, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design effectively and with high quality, and to promote standardization and reuse, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, and to promote standardization and reuse, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Utilization of consulting techniques</p> <p>[Knowledge Items]</p> <p>-Selection and adaptation of consulting techniques</p> <p>-Understanding and utilization of analytical tools and models</p>	Level 7	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of deliverables, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate.
	Level 6	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of deliverables, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of deliverables, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by using consulting methods, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Knowledge management and utilization</p> <p>[Knowledge Items]</p> <p>-Management and utilization of intellectual properties</p>	Level 7	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate.
	Level 6	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Technology</p> <p>[Knowledge Items]</p> <p>-Grasp of IT industry trends -Grasp of related technology (IT) trends -Understanding and adaptation of standards for related technology (IT)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Industry (business)</p> <p>[Knowledge Items]</p> <p>-Grasp of related industry trends</p> <p>-Grasp of applications in related industries</p> <p>-Understanding and adaptation of the standards of related industries (businesses)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Project Management</p> <p>[Knowledge Items]</p> <p>-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</p>	Level 7	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate.
	Level 6	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Leadership</p> <p>[Knowledge Items]</p> <p>-Leadership</p>	Level 7	Able to perform the project successfully, by issuing instructions and orders to IT architecture design team, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate
	Level 6	Able to perform the project successfully, by issuing instructions and orders to IT architecture design team, as a responsible person of solution design in the project as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to perform the project successfully, by issuing instructions and orders to IT architecture design team, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by issuing instructions and orders to IT architecture design team, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Communication</p> <p>[Knowledge Items]</p> <p>-2-Way communication -Distribution of information -Organization, analytical, and retrieval of information</p>	Level 7	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate.
	Level 6	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out communication and to exchange technical opinions related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Negotiation</p> <p>[Knowledge Items]</p> <p>-Negotiation</p>	Level 7	Able to obtain agreement, by carrying out technical and complicated negotiations related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate.
	Level 6	Able to obtain agreement, by carrying out complex technical negotiations related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out technical negotiations related to IT architecture design with the responsible person on customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical negotiations related to IT architecture design with technical team member by keeping good team communication, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Application architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Specialty Field specific skill item]</p> <p>●Design of Application architecture</p> <p>[Knowledge Items]</p> <p>-Definition of functional requirements</p> <p>-Design of functional architecture</p> <p>-Evaluation of the feasibility of functional architecture</p>	Level 7	Able to carry out IT architecture design in application area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design in application area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design in application area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design in application area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Skill Proficiency/Knowledge Items

Job career: IT Architect

Specialty Field: Integration architecture

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design of Architecture</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Analytical and definition of requirements (constraints) -Definition of architecture design policy -Design of IT architecture -Feasibility evaluation from the viewpoints of architecture and technology -Defining technological issue and analytical of alternatives -Evaluation of platform and component technology 	Level 7	Able to carry out IT architecture design in infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project with 500 persons or more during peak periods in which multiple architects participate. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design in infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project from 50 but less than 500 persons during peak periods in which multiple architects participate.
	Level 5	Able to carry out IT architecture design in infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design in infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design Techniques</p> <p>[Knowledge Items]</p> <p>-Understanding of modeling techniques</p> <p>-Understanding and adaptation of data modeling techniques</p> <p>-Understanding and adaptation of process modeling skill</p> <p>-Understanding and adaptation of performance modeling techniques</p> <p>-Understanding and adaptation of application design techniques</p> <p>-Understanding and adaptation of infrastructure design techniques</p>	Level 7	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Standardization and Reuse</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Definition of development standards -Definition of IT standards based on basic principles -Reuse of existing assets -Understanding and adaptation of reuse techniques -Development and adaptation of assets for reuse -Understanding of reuse asset management process 	Level 7	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Utilization of consulting techniques</p> <p>[Knowledge Items]</p> <p>-Selection and adaptation of consulting techniques</p> <p>-Understanding and utilization of analytical tools and models</p>	Level 7	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by using consulting methods, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Knowledge management and utilization</p> <p>[Knowledge Items]</p> <p>-Management and utilization of intellectual properties</p>	Level 7	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Technology</p> <p>[Knowledge Items]</p> <p>-Grasp of IT industry trends -Grasp of related technology (IT) trends -Understanding and adaptation of standards for related technology (IT)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Industry (business)</p> <p>[Knowledge Items]</p> <p>-Grasp of related industry trends</p> <p>-Grasp of applications in related industries</p> <p>-Understanding and adaptation of the standards of related industries (businesses)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Project Management</p> <p>[Knowledge Items]</p> <p>-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</p>	Level 7	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Leadership</p> <p>[Knowledge Items]</p> <p>-Leadership</p>	Level 7	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Communication</p> <p>[Knowledge Items]</p> <p>-2-Way communication -Distribution of information -Organization, analytical, and retrieval of information</p>	Level 7	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out communication and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Negotiation</p> <p>[Knowledge Items]</p> <p>-Negotiation</p>	Level 7	Able to obtain agreement, by carrying out technical, and complicated negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to obtain agreement, by carrying out complex, and technical negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical negotiations related to IT architecture design, and by keeping good team communication with technical team member, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Integration architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Specialty Field specific skill item]</p> <p>●Design of integration architecture</p> <p>[Knowledge Items]</p> <p>-Definition of integration requirements</p> <p>-Integration architecture design</p> <p>-Evaluation of feasibility of integrated architecture</p>	Level 7	Able to carry out IT architecture design centered on integration area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design centered on integration area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design centered on integration area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design centered on integration area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Skill Proficiency/Knowledge Items

Job career: IT Architect

Specialty Field: Infrastructure architecture

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design of Architecture</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Analytical and definition of requirements (constraints) -Definition of architecture design policy -Design of IT architecture -Feasibility evaluation from the viewpoints of architecture and technology -Defining technological issue and analytical of alternatives -Evaluation of platform and component technology 	Level 7	Able to carry out IT architecture design, and evaluation of feasibility of functional architecture, by breaking down of user demand to architecture requirements, and re-composition, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design, and evaluation of feasibility of functional architecture, by breaking down of user demand to architecture requirements, and re-composition, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design, and evaluation of feasibility of functional architecture, by breaking down of user demand to architecture requirements, and re-composition, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, and evaluation of feasibility of functional architecture, by breaking down of user demand to architecture requirements, and re-composition, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Design Techniques</p> <p>[Knowledge Items]</p> <p>-Understanding of modeling techniques</p> <p>-Understanding and adaptation of data modeling techniques</p> <p>-Understanding and adaptation of process modeling skill</p> <p>-Understanding and adaptation of performance modeling techniques</p> <p>-Understanding and adaptation of application design techniques</p> <p>-Understanding and adaptation of infrastructure design techniques</p>	Level 7	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by carrying out application and selection of optimum methodologies and modeling techniques, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Standardization and Reuse</p> <p>[Knowledge Items]</p> <ul style="list-style-type: none"> -Definition of development standards -Definition of IT standards based on basic principles -Reuse of existing assets -Understanding and adaptation of reuse techniques -Development and adaptation of assets for reuse -Understanding of reuse asset management process 	Level 7	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, and to promote reuse and standardization, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Utilization of consulting techniques</p> <p>[Knowledge Items]</p> <p>-Selection and adaptation of consulting techniques</p> <p>-Understanding and utilization of analytical tools and models</p>	Level 7	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design, by carrying out selection and adaptation of optimum consulting techniques, definition and practice of processes, and definition and creation of product, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design, by using consulting methods, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Knowledge management and utilization</p> <p>[Knowledge Items]</p> <p>-Management and utilization of intellectual properties</p>	Level 7	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, in the whole process from project preparation, start to completion, and post completion, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design effectively and with high quality, by carrying out creation of database from intellectual property, and its utilization, maintenance, and management, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Technology</p> <p>[Knowledge Items]</p> <p>-Grasp of IT industry trends -Grasp of related technology (IT) trends -Understanding and adaptation of standards for related technology (IT)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out technical problems solving, and grasp of technology trends, etc, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Industry (business)</p> <p>[Knowledge Items]</p> <p>-Grasp of related industry trends</p> <p>-Grasp of applications in related industries</p> <p>-Understanding and adaptation of the standards of related industries (businesses)</p>	Level 7	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical proposal related to IT architecture design, by carrying out grasp of industry trends, and understanding and application of industry standards, etc, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Project Management</p> <p>[Knowledge Items]</p> <p>-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</p>	Level 7	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by carrying out plan formulation of project, implementation of plan, and change management related to IT architecture design, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Leadership</p> <p>[Knowledge Items]</p> <p>-Leadership</p>	Level 7	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to perform the project successfully, by issuing instructions and orders to IT architecture team, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Communication</p> <p>[Knowledge Items]</p> <p>-2-Way communication -Distribution of information -Organization, analytical, and retrieval of information</p>	Level 7	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out communication, and to exchange technical opinions related to IT architecture design with the person in charge of customer side, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Career common skill item]</p> <p>●Negotiation</p> <p>[Knowledge Items]</p> <p>-Negotiation</p>	Level 7	Able to obtain agreement, by carrying out technical, and complicated negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods.
	Level 6	Able to obtain agreement, by carrying out complex, and technical negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out technical negotiations related to IT architecture design with a responsible person of customer side, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out technical negotiations related to IT architecture design, and by keeping good team communication with technical team member, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

Specialty Field:

Infrastructure architecture

Skill Proficiency/Knowledge Items of IT Architect

Skill Item and Knowledge Items	Skill Proficiency	
<p>[Specialty Field specific skill item]</p> <p>●Design of infrastructure architecture</p> <p>[Knowledge Items]</p> <p>-Definition of requirements of infrastructure (mainly non-functional requirements)</p> <p>-Design of infrastructure architecture</p> <p>-Evaluation of feasibility of infrastructure architecture</p>	Level 7	Able to carry out IT architecture design centered on infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, by leading other IT architects, as a responsible person of solution design in the project in which a number of architects participate in, with 500 persons or more during peak periods. In addition, able to present the related subjects at academic societies, technical comities, and symposia.
	Level 6	Able to carry out IT architecture design centered on infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, by leading other IT architects, as a responsible person of solution design in the project in which a number of architects participate in, from 50 but less than 500 persons during peak periods.
	Level 5	Able to carry out IT architecture design centered on infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, by leading other IT architecture design team, as a responsible person of solution design in the project, from 10 but less than 50 persons during peak periods.
	Level 4	Able to carry out IT architecture design centered on infrastructure area successfully, by carrying out requirements definition, architecture design, and evaluation of architecture, as a responsible person of solution design in the project, with less than 10 persons during peak periods.
	Level 3	

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