

# IT Architect Job Description

---

## **Duties and Responsibilities:**

- Carry out Model and assess complex IT solutions
- Design and conduct hardware and software tests
- Work closely with network engineers and other IT professionals to choose compatible design solutions
- Provide advice to clients on project design, project costs, and expected benefit
- Find out clients' software and hardware needs by interviewing them
- Analyze the scope and expected organizational impact of information systems
- Develop distributed system architecture and system integration
- Prepare the budget for the design and execution of IT solutions
- Evaluate existing systems and provide advice on how to meet organizational requirements
- Ensure that information systems are secure from threat
- Identify and address security threats
- Ensure that the technical components of the project are in sync with the business needs of the organization
- May be involved in the recruitment and training of new IT professionals
- Organize for the transfer of IT solutions to clients and non-technical staff.

## **IT Architect Requirements – Skills, Knowledge, and Abilities**

- Education: Most companies prefer to hire Bachelor's degree candidates majoring in computer/software engineering or computer science. However, with experience, academic qualification becomes less relevant
- Computer Literacy and Technical Skills: To work as an IT architect, one must be a computer literate. In addition, he or she must have in-depth knowledge of programming languages, including Java and C++; as well as knowledge of computer networking. He or she must also be proficient in applying the knowledge to designing IT programs and solving problems

- Team Play Skills: An IT architect must be a team player since the job involves collaboration with other IT professionals and clients to arrive at valid solutions. It is equally important that he or she is an excellent communicator to be able to explain complex solutions to clients and subordinates in an easy to understand manner
- Time Management and Organization skills: To be able to deliver projects within stipulated time, IT architects are usually required to have sound time management skills. They ought to be good at planning and organizing projects as well.