

Technical Architect Job Description

Duties and Responsibilities:

- Define the overall structure of IT programs or systems
- Integrate the software components of an IT system with the hardware components
- Develop IT plans into workable programs and systems
- Identify the needs of the business so as to develop compatible IT plan
- Breakdown complex projects into manageable deliverables
- Conduct cost-benefit analysis to determine the viability of IT project
- Decide on the materials and vendors to utilize in executing a project
- Direct program designers and developers on project requirements
- Explain the business and technical components of projects to clients
- Prepares progress reports during the execution of projects
- Inform clients and stakeholders on progress and challenges
- Maintain accurate and detailed log of project progress
- Identify technical issues and effect changes to avert future breakdown
- Advise the client on how to manage and maintain the system.

Technical Architect Requirements – Skills, Knowledge, and Abilities

- Education: A Bachelor's degree especially in IT related discipline is necessary but not mandatory. However, a thorough understanding of hardware and software components of the computer and computer networks is very important. A technical architect must have extensive knowledge of technologies such as java, SQL, C++ and their applications
- Problem solving skills: He/she must be good at thinking up innovative ideas and solutions to problems. A technical architect must be an analytical thinker and logical in approaching issues
- Communication: A technical architect must possess effective communication skills that will allow him convey complex technical details to clients in a straightforward manner
- Flexible and innovative: A technical architect must be innovative and should be up-to-date with current technologies. He/she must be able to

identify technical issues and fix them. Most importantly, he/she should be flexible in making plans and program decisions.