

## Architect Position description

**Title:**

Solution architect, system analyst, designer

**Title of supervisor:**

Head of development

**Date:**

05.10.2004 / v0.5.0

**Location / department:**

Development

**Overview:**

The architect's main goal is to ensure success of the project by designing the foundations of the application. This includes defining both the organizational structure of the application and the physical structure of its deployment. In these endeavors, the architect's goal is to reduce complexity by dividing the system into clean and simple partitions. The resulting architecture is extremely important since it not only dictates how the system will be built going forward but also establishes whether the application will exhibit the many traits that are essential for a successful project. These include its usability, whether it is reliable and maintainable, whether it meets performance and security standards and whether it can be evolved easily in the face of changing requirements.

**Responsibilities / duties / activities:**

- Drives overall solution design
- Manages functional specification
- Manages solution scope and critical trade-off decision
- Works with analysts on the feasibility and workability of a conceptual design by taking technical specifications prepared by the analyst and designing system components to meet the stated need
- Draws up detailed design documentation including charts and diagrams that indicate the various components involved
- Prepares instructions for programmer implementation
- Talk with other team members (analysts and programmers) to check functionality back to systems specifications, and develop solutions as problems or issues arise
- Designs monitoring and performance measurement processes
- Drives user interface design (with designer)
- Drives accessibility concepts and requirements into design (with designer)

**Skills / conditions:**

Able to grasp complex concepts, able to think logically and analytically in a problem-solving environment, possess imaginative abstract reasoning, able to work as part of a team, self-reliant and able to work independently, able to direct the work of others, good oral and written communication skills, able to accept responsibility, capacity to gain a thorough knowledge of the relevant speciality area, willing to continuously update personal IT skills and knowledge.