Corporate Technology

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What an Architect Needs to Know

Experiences from the Siemens Curriculum for Software Engineers

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Gı	Guiding principles (1)						
Т	he qualification program for senior software architects should address						
tv	velve guiding principles for development of software-intensive systems						
1.	Architecture is the key throughout the whole lifecycle and across releases						
2.	Build on existing basis where feasible (from technical and business perspective) and be able to recognize when such reuse is not suitable						
3.	Avoid unnecessary technological platform development by using technical standards and products available on the market						
4.	In product and system business the product (lifecycle) manager / in project and solution business the project manager is and must act as owner of the main requirement.						
5.	Pay particular attention to system quality attributes, often overlooked but are extremely important						
6.	Be prepared and able to handle changing requirements, but be aware about the risk of late changes						
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