

Special Issue

The Architecture, Design and Optimization of the Software Systems

Message from the Guest Editors

The development of contemporary software systems necessitates the delineation of a system's architecture, encompassing its structure and components and the interactions among its constituent parts. An effective architectural design enables the anticipation and mitigation of technical risks, facilitates the integration of new functionalities, and ensures congruence with business objectives.

In this complex context, software design plays a significant role by converting both functional and non-functional requirements into technical solutions, thereby facilitating the development of systems that are efficient, secure, and easy to maintain. An effective design strategy enhances component reuse, minimizes code complexity, and fosters improved collaboration among teams. Moreover, optimized software demonstrates quicker responsiveness, better adaptability across various platforms, and effective scalability under increased workloads.

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